# Self-Implementing On-Site Cleanup & Disposal Plan

1 India Street
Providence, Rhode Island

**PREPARED FOR:**
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ESS Project No. C563-001.04

February 21, 2014

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## 1.0 INTRODUCTION

ESS Group, Inc. (ESS) submits this plan on behalf of One India Street, LLC ("OIS, LLC") to comply with the U.S. Environmental Protection Agency ("EPA") requirements for Notification of a Self-Implementing On-Site Cleanup and Disposal Plan ("SIP") pursuant to 40 CFR § 761.61(a). This SIP describes the proposed excavation and off-Site disposal of soils classified as PCB remediation waste at the property located at 1 India Street in Providence, Rhode Island (the "Site"). A Site Locus Map is included as Figure 1.

## 2.0 BACKGROUND

### 2.1 Site Description and Current Uses

The Site consists of 4.02-acres of land identified by the City of Providence Assessor's Map as Plat 18, Lots 48, 332, and 343. The Site is located at 41º 48' 55.9" N latitude, 71º 24' 1.6" W longitude. Universal Transverse Mercator (UTM) coordinates are easting 300616.1, northing 4631867.5. The elevation of the Site is approximately six to nine feet (NAVD 88). The Site is located in an area zoned "W3", Port/Maritime Industrial District. The Site is bounded to the west by the Providence River; to the north by India Street; to the south by the Providence River/Providence Harbor; and to the east by the grass and dirt areas and beyond by the Providence Harbor. The closest residential properties are located approximately 0.30-mile north of the Site. The Site is located in an area which is classified by the Rhode Island Department of Environmental Management ("RIDEM") as "GB". "GB" areas are defined as groundwater resources "known or presumed unsuitable for drinking water use without treatment."

The Site is occupied by a single-story large industrial building (~approximately 30,000 square foot $ft^2$), asphalt paved areas, docks, and open space. A paved parking area is located to the west of the building along with the entrance to the facility off of India Street. A grassy area extends east from the south end of the building to the Providence Harbor. A large dock also runs along the south-southwestern boundary of the Site along the Providence River and is used for tugboat docking. The area located to the north of the Site building is covered with a mix of gravel and dirt. To the east of the Site building is another grassy area and beyond the grass is a grass and dirt covered area. The general Site layout and features are shown on Figure 2.

McAllister Towing of Narragansett Bay, LLC ("McAllister") operates a tugboat transportation business at the Site. The major operations conducted by McAllister consist of dispatching tugfleets, docking tugboats, light maintenance activities, limited petroleum oil storage (non-PCB containing), and administrative services. The primary raw materials used at the Site include lubricating oil; hydraulic oil; engine oil; gear oil; marine paint; degreaser; used tires; and rope. Although chemical use is generally limited, McAllister Towing also uses mineral spirits (approximately one 55-gallon drums per year) for use in the facility's part washer. One 240-gallon steel aboveground storage tank is located on-Site and is used to store used oil from the facility's tugboats. J. Goodison Company, Inc. ("Goodison"), a full service marine and industrial repair contractor, leases the northern portion of the warehouse and a portion of the grassy area in the northern and eastern areas of the Site. Goodison is planning to use these areas of the Site for its marine repair operations (e.g., boat/ship repair, painting, cleaning, welding). PCBs are not currently stored, managed, or used in any of the operations by McAllister or Goodison on the Site.

### 2.2 Site History

Based on a review of available information (i.e., aerial photographs, historical topography maps, and Sanborn maps, City Directories), the Site was first developed circa 1881 for industrial and railroad use. The Providence Steamboat Company and the Fox Point Freight Yard were the earliest occupants of the Site and conducted tugboat/towing and railroad operations, respectively. A historical Sanborn Fire Insurance map from 1889 depicts a freight warehouse and portions of cotton warehouses, storage warehouses and railroad tracks on-Site. A 1921 Sanborn map shows that several new railroad tracks were added replacing several storage buildings and portions of the Site. Portions of the Site that were

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previously labeled the Providence and Stonington Steam Ship Company are now labeled the New England Steamship Company, New York and Providence Line and Fox Point Wharf. Cotton warehouses and freight warehouses on this portion of the Site have been removed. A 1951 Sanborn map lists Foxpoint Warehouses & Terminal Company as a tenant. The southern tip of the Site has now been reclaimed by water, while other areas along the southern property boundary that were used for docking have now been filled in. Several of the rail lines have been removed in the northern area of the Site for the construction of the India Street Shed (current site building). The Center Shed and Transit Shed are present south of the India Street Shed with several new rail lines servicing these buildings. A 1956 Sanborn map shows the Site operated as Providence Steamboat Company. The Transit Shed (southernmost building) has been removed from the Site, while the River Shed has been expanded to the east at its southeast corner to include a small Transit Shed. Several more rail lines have been removed from the site and eastern adjacent property. A 1982 Sanborn maps shows the Site as having only one rail line (in-active) and only the India Street Shed, the River Shed and the Office & Freight House. The small Transit Shed that was added on to the River Shed has been removed. The Site is still shown as being operated by the Providence Steamboat Company.

The bulkheads were constructed in 1960. The asphalt parking area was constructed in 1975. The Providence and Worcester Short Line Rail spur (P&V) and switching facilities operated at the Site from 1889 through 1965. The on-Site railroad spur was abandoned in 1965 (based on Transportation Safety Board records of abandonment) and the tracks were removed in 1970. The freight buildings (the Center Shed; demolished circa 1960s or 1970s) and the India Street Shed (currently on-Site) were reportedly used for temporary freight storage and transfer from railroad and barge operations during the operational period of the P&V spur and at least up through 1978.

## 2.3 Recent Site Ownership

The Providence Steamboat Company, later known as Maurania Corporation LLC (“Maurania”), owned the Site from 1954 until 2010. In 2007, McAllister began operating the tugboat transportation business at the Site as a lessee. On November 2, 2010, OIS, LLC purchased the Site from Maurania, and McAllister continues to use a portion as a tugboat towing service company.

## 2.4 Regulatory Filings

### 2.4.1 Initial PCB and COC Detections

As a potential prospective purchaser of the Site, OIS, LLC performed a Limited Phase II Environmental Site Assessment (“ESA”), in June 2009 that included five soil borings, three of which were completed as groundwater monitoring wells, and the collection and laboratory analysis of soil and groundwater samples. Results of the Limited Phase II ESA indicated that certain soils contained concentrations of lead and arsenic above both the Residential Direct Exposure Criteria (“RDEC”) and the Industrial/Commercial Direct Exposure Criteria (“I/CDEC”) as set forth in RIDEM’s Remediation Regulations. In addition, several semi-volatile organic compounds (“SVOCs”) were detected above the applicable RDEC. Impacts to groundwater were not identified. Refer to Section 2.4.2 for more detail on these constituents of concern (“COCs”).

Additional Site investigations (i.e., soil borings, well installations, soil and groundwater sampling and analysis) were subsequently conducted by Woodard and Curran (“W&C”) (on behalf Maurania) and ESS (on behalf of OIS, LLC) from August 2009 through December 2011 to further characterize Site-wide soil and groundwater quality. PCB concentrations were detected in various soils above the RIDEM I/DEC of 10 milligrams per kilogram (mg/kg) and GB Leachability Criteria of 10 mg/kg. In addition, PCB concentrations in Site soils met the criteria established by the Toxic Substance Control Act (“TSCA”) regulations 40 CFR §§ 761.3, 761.50(b)(3) and 761.61 for bulk PCB remediation waste. Refer to Section 2.4.3 for more detail on the PCB detections.

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### 2.4.2 RIDEM Filings and Consultations

The exceedances of RDEC and I/CDEC for lead, arsenic and SVOCs, considered some of the COCs in soil, constituted a "release", pursuant to RIDEM Remediation Regulations. On July 15, 2009, Maurania reported these data to RIDEM in a Notification of Release. RIDEM subsequently issued a "Letter of Responsibility" to Maurania on July 24, 2009. The following reports and/or notifications have also been provided to RIDEM:

- A Site Investigation Report ("SIR") was filed with RIDEM by Maurania on October 30, 2009. The SIR addressed only a portion of the overall Site, it was submitted prior to the completion of the site investigation, and did not address the majority of the PCB contamination in soil that was ultimately discovered at the Site. This version of the SIR was not approved by RIDEM (via a Remedial Decision Letter) because the sale of the property was being actively negotiated and the investigation of the PCB contamination was ongoing.
- A new SIR was submitted to RIDEM by OIS, LLC on May 17, 2012. This SIR covered the entire Site and addressed all the COCs (metals, SVOCs, TPH, pesticides, and PCBs). In response, RIDEM issued a Program Letter indicating that they deemed the site investigation complete, and that Public Notice must be performed. No public comments were received as part of the Public Notice/Public Comment process.
- RIDEM provided a Remedial Decision Letter to OIS, LLC on March 13, 2013. The purpose of the Remedial Decision Letter was to approve the SIR, identify the preferred remedial alternative (as presented in the SIR), and authorize the preparation and submittal of a Remedial Action Work Plan ("RAWP") in order to achieve the objectives of the environmental clean-up.

Subsequent to EPA's review and approval of this SIP, a RAWP will be filed with RIDEM outlining the details of the proposed remedial actions to address the COCs. Remediation activities, pursuant to RIDEM regulations, have not yet been completed on the Site to address the COCs.

### 2.4.3 EPA Filings and Consultation

On behalf of Maurania, W&C submitted a SIP to the EPA on March 26, 2010 to address PCB detections in soil on certain portions of the Site. On April 21, 2010, EPA responded (via email) to W&C indicating that EPA had reviewed the SIP and determined the Notification under § 761.61(a)(3) was incomplete. This was primarily due to the EPA's determination that the nature and extent of PCB contamination in soil had not been fully delineated. EPA indicated that upon completing additional Site characterizations for PCBs, the results could be incorporated into the SIP and resubmitted to EPA as a completed Notification, in order to support the proposed remedial approach for PCBs.

Since the submittal of the initial SIP by Maurania to EPA, OIS, LLC purchased the Site (November 2010). ESS and OIS, LLC representatives met with EPA on March 8, 2011 to confirm OIS, LLC's commitment to remediating the PCBs in soil pursuant 40 CFR § 761.61(a). The contents of this SIP describe the results of the additional PCB characterizations for delineating the horizontal and vertical extents of PCBs in soil and provide a remediation approach for the soil that is considered PCB remediation waste. Note that OIS, LLC is separately addressing soil exceedences of TPH, SVOCs, pesticides, and metals identified on select soils at the Site under the RIDEM Remediation Regulations. Remediation activities, pursuant to 40 CFR § 761.61(a)(3), have not yet been completed on the Site to address the bulk PCB remediation waste.

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## 3.0 PLAN CONTENTS

The remaining sections of this SIP address the components of the plan required by 40 CFR § 761.61(a)(3) and the verification method proposed to document that cleanup has been achieved as required by Subpart O of the regulations, and include the following:

- *The nature of the contamination, including the kinds of materials contaminated.* Based on ESS's understanding of the Site history (Section 2.2) and the findings of the Site characterizations completed to date on the Site (Section 4.0), ESS is of the opinion that the source of the PCBs (primarily Aroclors 1248, 1254) is from a former undocumented bulk release(s) of PCB-containing oil, hydraulic fluid, plasticizer, and/or adhesive components that occurred along the former railroad tracks abutting the southeastern side of the on-Site building. The pattern and distribution of the PCBs in soil suggests that a PCB release occurred at a time when the Center Shed still existed at the Site (pre-1978). The PCB release has impacted soil from the ground surface to depths as great as 9 feet grade. PCBs have not been detected beneath the on-Site building or on the former concrete foundations situated southeast of the building.

  The Site is accessible and located in the general vicinity of several coal and oil-burning generation facilities. Such facilities would likely have used hydraulic fluids for cooling, plasticizers for tensile strength in piping and adhesive components, and insulating materials, all of which (until 1972) would have contained PCBs (most likely Aroclor 1248). The Site's proximity to water and railroad freight lines and on-Site freight transfer/storage capacity would have been used by an industry transporting freight and chemicals in and out of the South Coast of Massachusetts and the greater Providence area of Rhode Island. This might suggest that some bulk freight transferor servicing one of the coal and oil-burning power plants in the area could have shipped into the Site, perhaps been off-loaded and stored temporarily in one of the former warehouses, and then re-loaded and transported to the end-user. It is not known precisely when the release occurred but is expected to be 35+ years ago.

- *A summary of the standard operating procedures (SOPs) employed during characterization of the Site, including a table or cleanup Site map showing PCB concentrations measured in the pre-cleanup characterization samples.* Procedures used to sample soil and groundwater on the Site are detailed in Section 4.0. The soil analytical results for pre-characterization samples are presented on Table 1. Figure 3 depicts the locations of all pre-characterization soil and groundwater samples.

- *A Site map showing the PCB sampling locations cross referenced to the sample identification numbers provided as part of the characterization information. The extent of the identified PCB contaminated area(s) must be clearly identified.* Figure 3 shows all the PCB sampling locations. Figure 4 shows all the PCB sample locations, soils identification, soil sampling depths, and corresponding PCB concentrations. This figure also shows the extent of PCBs in soil (color coded for PCB concentrations >50 mg/kg; >25 mg/kg and <50 mg/kg; >10 mg/kg and <25 mg/kg; >1 mg/kg and 10 mg/kg; and <1 mg/kg). Figure 7 (Capping Plan) shows the proposed area of capping where PCBs will remain (post-remediation) >1 mg/kg and <10 mg/kg.

- *A cleanup plan for the Site, including the proposed disposal technology and approach, and a cleanup schedule. The plan must include contingency plans in the event that higher PCB concentrations and/or a wider distribution of PCBs are identified during the cleanup.* The proposed cleanup plan is presented in Section 5.0. The proposed schedule for implementing the cleanup plan is presented in Section 6.0.

- *A written certification, signed by the owner of the property where the cleanup site is located and the party conducting the cleanup, that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the cleanup site, are on file at the location*

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*designated in the certificate, and are available for EPA inspection.* The signed Certification by the Site owner (One India Street, LLC) is presented in Appendix A.

- *QA/QC plan for documenting that the cleanup levels have been achieved (e.g. confirmatory sampling/analysis QA/QC). The QA/QC plan should at a minimum include information on the types/numbers of samples; extraction/analytical methods; MS/MSDs (both frequency and acceptance criteria), etc.* Section 5.5 provides detail on the proposed verification sampling, pursuant to 40 CFR § 761 Subpart O.

## 4.0 SITE CHARACTERIZATION

This section provides a discussion of the nature and extent of PCB-impacted soils at the Site, consistent with the requirements of 40 CFR § 761.61(a)(3). Accordingly, PCB impacted soils are identified, described, and depicted on Site maps that identify sampling locations to provide a cross-reference to data summary tables. As discussed in Section 2.4.1, soil and groundwater investigations were completed on the Site between June 2009 and December 2011. The initial subsurface investigations (ESS – 2009 and W&C – 2009) focused on Site-wide characterization of soil and groundwater. After PCBs were initially detected in soil above 1 mg/kg (W&C - 2009), subsequent investigations were completed by W&C (2010) and ESS (2010 through 2011) that focused on delineating the horizontal and vertical extent of PCBs in soil. The general summary of the subsurface investigation program is as follows:

- A total of 220 soil borings have been completed on the Site.
- A total of 974 soil samples have been submitted for laboratory testing of PCBs (Method 8082).
- Of the 974 total soil samples analyzed, PCBs (sum of detected Aroclors) were detected above 10 mg/kg in 261 samples from 97 boring locations.
- A total of 9 groundwater monitoring wells have been installed on the Site.
- A tidal influence study was completed.

The following sections provide more detail on the selection of soil sample locations, sample collection methods, and the analytical results of the characterization data.

### 4.1 Soil Sample Collection

The soil sampling events between 2009 and 2011 resulted in a series of iterative sampling events as described below. The scope of each subsequent event was based on the results of the previous sampling. Each sampling event included multiple samples being collected from each boring using one-foot vertical sample intervals. Certain samples were designated for analysis and other samples were held by the laboratory pending the results of the initial samples. After review of the initial results, the laboratory was instructed to run additional samples, as appropriate. The objective of this approach was to continue to analyze samples from a particular boring only until a clear determination as to the level of impact could be made horizontally and/or vertically, depending on the location.

#### 4.1.1 Data Quality Objectives

The objectives of the sampling were to collect data consistent with the Site Investigation requirements of 40 CFR § 761.61 and the RIDEM Remediation Regulations. To meet these objectives, soil samples were collected to fill spatial data gaps, to assess the extent of identified impacts at the Site or to assess potential leaching to groundwater. Specific data quality objectives (“DQO”) were identified as follows:

1) Fill data gaps across the Site for the purpose of determining whether various portions of the Site require excavation and or capping. These samples were typically distributed across the Site or in the vicinity of potential source areas based on historic information.

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2) Refine the horizontal extent of identified PCB impacts to identify the area requiring excavation and or capping. These samples were initially collected in the vicinity of SB-21 and sample locations were expanded away from SB-21 horizontally on an iterative basis to determine the extent of impacts.

3) Refine the vertical extent of identified impacts to establish the depth of soil that may require excavation. These samples were typically be collected in one foot vertical intervals.

In order to accomplish the DQOs, soil and groundwater samples were collected as indicated above. For PCBs in soil, since it was important to be able to quantify the sum of Aroclors to levels below 1 mg/kg, a detection limit of approximately 0.05 mg/kg was targeted for the individual Aroclors.

### 4.1.2 Sampling Methods

Soil sampling was conducted in accordance with generally accepted procedures for collecting soil samples for the purpose of environmental analysis. All samples were collected from the specified interval by hand auger or by Geoprobe® direct push drilling with soil collected in acetate sleeves. Soils were then homogenized, and transferred to a labeled, laboratory-approved container. The hand auger was decontaminated between each sampling location with an anionic washing detergent/water solution followed by a water rinse to limit the potential for cross-contamination and a new acetate sleeve was used each time the Geoprobe® drilled a new hole or re-entered an existing boring. Soil boring locations were logged on field boring logs and samples were logged on a standard chain of custody form, and stored on ice for delivery to the laboratory. Analysis of all samples was performed by Alpha Analytical Labs of Westborough, Massachusetts. Samples were extracted using either USEPA Method 3540C or 3546 and analyzed for PCBs using USEPA Method 8082.

The PCB samples collected during the first Site-wide general sampling event in August 2009 (Sample Groups L0911346 and L0911480, samples SB-13 through SB-15, SB-18,SB-18A, SB19 through SB-22, SB-25, SB-16A, SB- 17, SB-17A, SB-23, and SB-24) were extracted using Method 3540C (Soxhlet Extraction). Due to the detection of relatively high PCB concentrations at SB-21 and the anticipated relatively high PCB concentrations in surrounding soil samples, the laboratory used the microwave extraction (Method 3546) for samples collected in and around SB-21 during the subsequent sample Rounds 1 to 4. At certain sample locations where PCB concentrations were anticipated to be relatively low, the lab did use the Soxhlet Method during follow-up sample events. It should be noted that all soil samples analyzed after 2009 were extracted using Method 3540C Soxhlet extraction. Boring logs are provided in Appendix B. Laboratory certificates of analysis and QA/QC information are provided in Appendix C. A figure depicting the locations and results of all PCB soil samples is presented as Figure 4.

### 4.1.3 PCB Soil Sampling - September through December 2009

Investigation for PCBs in soil began on September 11, 2009 and continued through to December 11, 2009 due to the continued presence of elevated concentrations of PCBs above the RIDEM RDEC, I/C DEC, and GB Leachability Criteria in soil sampled. Soil sampling was initially conducted with hand augers. However, it became apparent that exceedances were likely to extend vertically beyond the effective use of hand augering techniques. All future work was conducted with a track-mounted direct push Geoprobe® rig utilizing acetate liners for discrete interval sampling. Soil samples were collected from 56 boring locations along the southern portion of the Site. Three soil borings were sampled from beneath the Site building. During this period of sampling, a total of 261 samples were analyzed for total PCBs. Samples were collected from various depths between 0’ and 10’ below ground surface (bgs).

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#### 4.1.4 PCB Groundwater Sampling – January 2010

On January 21, 2010, groundwater was sampled from the previously installed groundwater monitoring wells WC-1, WC-2, and WC-5 for PCBs using a modified low-flow technique. The wells were purged with a peristaltic pump with dedicated tubing placed at the mid-point of the water column. Field measurements of geochemical parameters were collected using a flow-through cell and multi-parameter YSI meter during purging. Once parameters stabilized, a groundwater sample was collected from each well for PCB analysis. Monitoring well locations are shown on Figure 3 and groundwater sampling results are discussed in Section 4.2.2.

#### 4.1.5 PCB Soil Sampling – May 2010

PCB soil investigations continued in May 2010 to further delineate the horizontal and vertical extent of PCB soil exceedances. Soil sampling was conducted with a track-mounted direct-push Geoprobe rig utilizing acetate liners for discrete interval sampling. Samples were collected from 67 boring locations along the southern portion of the Site. During this period of sampling, a total of 211 samples were analyzed for total PCBs. Samples were collected from various depths between 0' and 12' bgs.

#### 4.1.6 PCB Soil Sampling – June through December 2011

PCB soil investigations continued from June through December to further delineate the horizontal extent of PCB soil exceedances. Soil sampling was conducted with a track-mounted direct-push Geoprobe rig utilizing acetate liners for discrete interval sampling. Samples were collected from 94 boring locations along the southern portion of the Site. During this period of sampling, a total of 473 samples were analyzed for total PCBs. Samples were collected from various depths between 0' and 12' bgs.

Two additional samples were collected from the concrete building foundation immediately south of the grass alley. Concrete sampling was conducted in accordance with EPA Region I Standard Operating Procedure for Sampling Concrete in the Field.

#### 4.1.7 Compliance with Subpart N Cleanup Site Characterization Sampling

The soil and groundwater sampling described above was performed in consideration of and in general conformance with the sampling methods prescribed in Subpart N. This section identifies differences from Subpart N methods and discussed the implication of the variance. The spacing of soil sample locations was initially performed on a 10-foot grid spacing around boring SB-21 in accordance with Subpart N. Once it became apparent that PCB impacts were present within a relatively large area, subsequent grid spacing of 10 feet by 20 feet was used. In certain outlying areas, where PCB concentrations were expected to be below action levels or below the levels detected in the assumed source area, a wider spacing interval was at times employed. For example, in the building, there were access limitations and it was expected that PCB impacts did not extend under the building; as a result, a wider spacing was used. Based on the relative consistency of Site data and the conceptual Site model discussed below, this spacing is viewed as adequate to define the preliminary extent of excavation.

While no vertical sampling frequency is specified under Subpart N of TSCA, the vertical sampling interval used during this investigation was a one-foot interval which was composited prior to sample collection. This interval was selected since it was anticipated that PCB impacts extended to subsurface soils and it is difficult to collect samples from a finer interval and have a high degree of confidence that the sample interval actually collected corresponds to the assumed depth below grade. The one-foot interval was also used in consideration of the delineation of excavation depths and the practicality of establishing excavation limits to an interval of less than one foot. Based on the

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relative consistency of Site data and the conceptual Site model discussed below, this spacing is viewed as adequate to define the preliminary extent of excavation.

## 4.2 Results of Site Characterization

### 4.2.1 Soils

The soil PCB results were compared to multiple regulatory criteria including the RIDEM Industrial Direct Exposure Criteria and GB Groundwater Leachability Criteria of 10 mg/kg and 40 CFR § 761.61(a) cleanup goals. Data indicates that PCBs are present in soils Site-wide at concentrations ranging from non-detect (ND) to 125,500 mg/kg, with PCBs detected above the RIDEM Industrial Exposure Criteria in 261 of the 974 samples. Aroclors 1248, 1254, 1260 and 1268 were the only Aroclors detected in the samples. A summary of the PCB soil analytical results is presented on Table 1 and sample locations and results are shown on Figure 4. This figure shows the PCB sampling locations cross-referenced to the sample identification numbers and the extent of the PCB contaminated area(s), as required (§ 761.61(a)(3)(i)(C)). Laboratory certificates of analysis for PCB samples are included in Appendix C.

Sampling was conducted during the period between August 2009 and December 2011 and included sampling locations in and around the suspected release area (the grass alley), inside the Site building adjacent to the alley, and outside the alley adjacent to the former building foundation. Samples were collected from various depth intervals between 0' and 12' bgs. The following discussion has been separated into Type 1 soils (≥ 50 mg/kg PCBs) and Type 2 soils (PCBs < 50 mg/kg but >10 mg/kg).

The following conclusions have been reached with regard to Type 1 soils (PCBs ≥ 50 mg/kg):

- Type 1 soils are present over a large portion of the suspected release area as depicted on Figure 4. PCBs were detected at concentrations > 50 mg/kg in 146 of the 974 samples collected Site-wide. The depth of impact varies from approximately 0 feet to 9 feet bgs as depicted on Figure 4.

The following conclusions have been reached with regard to Type 2 soils (PCBs < 50 mg/kg but >10 mg/kg):

- Type 2 soils are present over a large portion of the suspected release area as depicted on Figure 4. PCBs were detected at concentrations < 50 mg/kg but >10 mg/kg in 115 of the 974 samples collected Site-wide. The depth of impact varies from approximately 0 feet to 9 feet bgs as depicted on Figure 4.

Further details regarding the remediation plan for the PCB-impacted soils are provided in Section 5.0. As mentioned in Section 4.1.2, PCB samples were extracted using both Method 3540C and 3546. In general, the microwave extraction Method 3546 was only used on soil samples within or in the immediate vicinity of SB-21 during the sampling events (W&C – 2009). Soil samples used to further define the extent and bounds of the PCB excavation area were extracted using the Soxhlet Method 3540C. All future verification samples will be extracted using Soxhlet extraction.

As shown on Figures 4 and 5, the horizontal and vertical extent of PCBs impacts in Site soils has been delineated sufficiently to fully define a soil removal remediation approach. As shown on Figure 4, PCB concentrations along the extents of the soil investigation area have achieved total PCB concentrations below 1.0 mg/kg.

### 4.2.2 Groundwater

The groundwater at the Site is classified as RIDEM GB Groundwater. There are no GB Groundwater Objectives established for PCBs. The samples collected during the sampling event on January 21, 2010 indicated the following results (WC-1, WC-2, and WC-5):

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- No PCB Aroclors were detected in groundwater above the laboratory detection limits (0.00025 mg/L) at WC-1 and WC-5.
- No PCB Aroclors were detected in groundwater above the laboratory detection limits at WC-2, with the exception of Aroclor 1248. Aroclor 1248 was detected at a concentration of 0.000533 milligrams per liter (mg/L), which was slightly above the RIDEM GA Groundwater Objective of 0.0005 mg/L.
- As indicated, groundwater impacts are minimal in the area near WC-2. As discussed in Section 5.0, PCB impacted soil above the RIDEM GB Leachability Criteria of 10 mg/kg will be removed in this area from surface grade to the vertically delineated extent of PCB >10 mg/kg.

EPA's review of the initial SIP (W&C - March 26, 2010) resulted in a comment regarding the PCB detection in sample WC-2. EPA requested that the laboratory should provide a discussion as to the adequacy of the Method 8082 method (i.e., perform a review of the raw data for all wells and indicate if any non-Aroclor peaks were identified within the retention time ("RT") window for PCBs). ESS requested this information from Alpha Analytical Labs. The laboratory indicated that there were some non-target peaks in samples WC-2 and WC-5 within the PCB RT window. Sample WC-1 did not have any non-target peaks identified. The laboratory concluded that the quantitation of Aroclor 1248 in sample WC-2 was unaffected by the other peaks present in the sample (i.e. the other identified peaks elute earlier). Additionally, although the other peaks present in the sample do elute in the RT window of Aroclor 1248 these peaks are not identified and/or are not part of another Aroclor.

A summary of the groundwater analytical data collected from on-Site wells during the January 21, 2010 sampling event are presented as Table 2. Laboratory certificates of analysis are provided as Appendix C.

#### 4.2.3 Tidal Influence Study

In May 2011, ESS performed a tidal study to determine how tidal sequences influenced groundwater elevations at the Site. Data loggers were installed in three groundwater monitoring wells (WC-2, WC-6, and SB-127) at the Site. Monitoring wells WC-2 and SB-127 are situated within the proposed PCB soil remediation area (refer to Figure 5). Monitoring well WC-6 is the located closest to the Providence River and just outside the proposed PCB soil remediation area (refer to Figure 5). During a 14-day period between May 11 and May 24, 2011, water level data was recorded from each of the three groundwater monitoring wells. The 14-day period included a spring high tide event. This data was then compared to the water level information from National Oceanic and Atmospheric Administration (NOAA) for the Providence, Rhode Island tidal gauge. Based on the water level data collected, a groundwater vs. tidal influence graph was generated. This graph determines that the groundwater at the Site fluctuates with the tide. The amplitude of the groundwater fluctuation varies throughout the Site. During high tide, the mean lower low water for the Providence tidal gauge ranged from 0 to 6 feet. A graph showing the groundwater and tidal interactions data is provided as Appendix D.

The groundwater monitoring well with the greatest depth to water fluctuation (~2 feet) was WC-6.. Depth to water fluctuations in monitoring wells WC-2 and SB-127 (located within proposed soil remediation area) were approximately 0.5 foot and 1 foot, respectively. The water table fluctuations were expected at the Site and within the proposed soil remediation area. Dewatering activities (refer to Section 5.4) will occur within certain sections of the soil excavation area, particularly the areas that extend greater than 5 to 6 feet below existing grade.

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## 4.3 Data Usability Assessment

A review of data quality and data usability was tabulated for the results of 974 soil characterization samples collected between 2009 and 2011 and three groundwater samples collected in January 2010. This precision, accuracy, representativeness, completeness, comparability, and sensitivity ("PARCCS") parameter evaluation includes an assessment of the parameters and quality assurance/quality control ("QA/QC") samples as they affect the usability of Site sample results. These indicators have been examined in the context of the intended use of the data and an overall assessment of Site soil and groundwater conditions. This data review includes a completeness check of field documentation including sample collection and preservation methods, a completeness check of laboratory data and documentation, a review of the internal laboratory QA/QC procedures and results including surrogate recoveries, blank results, laboratory control standard results, and reporting limits, as well as an evaluation of sample holding times. The assessment was performed in general conformance with EPA Region I Data Validation Functional Guidelines for Evaluating Environmental Analyses for polychlorinated biphenyls (PCBs) revised February 2004 (USEPA, 2004).

Sample extraction and analysis was performed by Alpha Analytical, Inc. of Westborough, Massachusetts. Soil samples were extracted by EPA Method 3540C (Soxhlet Extraction) and EPA Method 3546 (Microwave Extraction) and analyzed for PCBs by EPA Method 8082. The PCB samples collected during the first Site-wide general sampling event in August 2009 were extracted using Method 3540C (Soxhlet Extraction). During subsequent sampling events many samples (188 samples in total), particularly those collected from borings anticipated to be in the most highly impacted area, were extracted using Method 3546 (microwave extraction). All subsequent sampling in 2010 and 2011 was extracted using Soxhlet Extraction.

While it is acknowledged that it would have been preferable to extract all samples using the Soxhlet Extraction method, it is ESS' professional opinion that the data generated from samples extracted by EPA Method 3546 are considered usable based on the following:

- EPA states in Method 3546 that this extraction method will "achieve analyte recoveries equivalent to those from Soxhlet extraction (Method 3540)".
- In all samples extracted by Method 3546 where dilutions were not required to quantitate the samples, the surrogate recoveries were within the acceptance criteria.

All groundwater samples were extracted by EPA Method 3510C (Separatory Funnel Liquid-Liquid Extraction) and analyzed for PCBs by EPA Method 8082. Laboratory report numbers and associated QA/QC results for all Site samples are summarized in Table 3.

## 4.4 Data Usability Conclusions

Based on a review of the analytical results with regard to the PARCCS parameters, this data quality/data usability assessment indicates that soil and groundwater data are of sufficient quality for use in rendering an opinion of soil and groundwater conditions at the Site. No data were rejected and completeness was achieved. Furthermore, DQOs were met. Finally, the sample results are representative of Site conditions.

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## 5.0 REMEDIATION PLAN

### 5.1 Proposed PCB Soil Clean-up Goal

As shown on the PCB Soil Sampling Results Plan (Figure 4), Bulk PCB remediation waste exists on-Site in an area south and southeast of the Site building. Pursuant to 40 CFR § 761.61(a)(4), the PCB soil clean-up levels for this type of PCB waste depends on whether it is in a "high occupancy" or "low occupancy" area, as those terms are defined by 40 CFR § 761.61(a)(4)(i)(A) and (B), respectively. As stated in Section 1.0, OIS, LLC intends to lease portions of the Site that are now impacted with PCBs and, as the owner, intends to maintain the highest use potential for tenants. Consequently, a high occupancy remediation plan is being proposed.

The goal is to remove soils with PCB concentrations > 10 mg/kg, within the limits shown on Figure 5. Following excavation activities, the area with PCB concentrations in soil remaining above 1 mg/kg will be covered with a low permeability cap (and an Environmental Land Use Restriction; ELUR) that meets the requirements of 40 CFR § 761.61 (a)(7) and (a)(8), as applicable. The specifics of the ELUR are discussed in Section 5.8. The approximate area of PCB impacts > 1 mg/kg and the areas to be addressed by the cap and ELUR are depicted on Figure 7.

### 5.2 General Overview of Proposed Remediation

The entire Site is to undergo remedial activities due to Site wide detections of TPH, SVOCs, pesticides, various metals. Therefore, a soil or RIDEM-approved alternative cover will be installed over all Site soils including those areas where PCB concentrations between 1 mg/kg and 10 mg/kg will remain in-place after the completion of excavation activities. The following sections only describe the proposed remediation activities proposed to address PCB bulk remediation waste.

The proposed remediation activities will generally include the following:

- Removal and off-Site disposal of PCB-impacted soil as bulk PCB remediation waste;
- Collection of verification samples for PCB analysis;
- Final restoration of soil excavation areas to their original ground surface coverings and capping of appropriate areas to meet the requirements of 40 CFR § 761.61 (a)(7) and (a)(8); and
- Recording of an ELUR due to PCB concentrations (between 1 mg/kg and 10 mg/kg) that are to remain in-place.

Prior to the remedial activities, Site preparation and controls will be established and implemented. PCB-impacted soils, classified as PCB bulk remediation waste, will be excavated and transported off-Site for disposal at an approved facility(ies). Soils with PCB concentrations ≥ 50 mg/kg will be transported to a permitted hazardous waste landfill (e.g., the Chemical Waste Management Chemical Services facility located in Model City, New York, or equivalent), and soils with PCB concentrations < 50 mg/kg but > 10/mg/kg will be transported to a non-hazardous waste disposal facility (to be determined upon Contractor selection).

The clean-up activities are proposed to be conducted under a SIP per 40 CFR § 761.61(a). Given Site conditions and future uses, the applicable cleanup goal for residual PCBs in adjacent soils is the RIDEM I/C DEC and GB Leachability Criteria of ≤ 10 mg/kg.

After soils have been excavated to the extent proposed in this plan, verification sampling will be conducted in accordance with 40 CFR § 761.289(b)(1) Subpart O sampling plan, as described in Section 5.6. Verification samples will be extracted using USEPA Method 3540C (Soxhlet extraction) and analyzed for PCBs using USEPA Method 8082.

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If the results of the verification sampling indicate that PCB concentrations exceed 10 mg/kg, additional soil excavation will be conducted and additional verification sampling (at an off-set grid) will be performed until sampling results confirm that PCB levels are ≤ 10 mg/kg.

### 5.3 Site Preparation and Controls

Prior to initiating the soil excavation, the following Site controls will be implemented:

- A Health & Safety Plan ("HASP") will be developed specific to the work activities. All workers will follow applicable Federal and State regulations regarding the work activities, including but not limited to OSHA regulations, respiratory protection, personal protective equipment, etc.
- Additional notifications and plans required for the work activities will be prepared and submitted for approval, as needed. This may include a RAWP, a Stormwater Pollution Prevention Plan ("SWPPP"), RI Remediation General Permits ("RGP"), and approvals through the Rhode Island Coastal Resource Management Council ("CRMC").
- Prior to any work, the boundaries of the excavation area and proposed excavation grid will be surveyed, properly secured, and a permit number obtained from Dig Safe.
- Access to the active work areas will be controlled through fencing with controlled access points.
- Water misting will be used as a dust suppressant, as appropriate.
- Air monitoring within the support work zone and perimeter to this zone will be conducted during the active removal of soils. To reduce dust levels and exposures to dust, a combination of engineering controls and personal protective equipment will be implemented as part of the work activities.

### 5.4 Soil Removal/Dewatering

All soils designated for removal will be excavated and transported off-Site for disposal at an approved facility as bulk PCB remediation waste. Soil removal activities will be conducted in compliance with 40 CFR § 761.61 and in accordance with the RIDEM Remediation Regulations. The remediation goal is to remove contaminated soils and verify that remaining soil concentrations are ≤ 10 mg/kg, the RIDEM GB Leachability Criteria for PCBs. Post-removal verification sampling will be conducted in all soil excavation areas to demonstrate that the clean-up goals have been achieved (refer to Section 5.5).

Currently, the area subject to remediation covers an estimated area of 13,666 square feet ($ft^2$). Soils will be classified as Type 1 soils (PCB concentrations ≥ 50 mg/kg) and Type 2 soils (PCB concentrations < 50 mg/kg but > 10/mg/kg). Type 1 and Type 2 soils comprise an area of approximately 10,561 $ft^2$ and 3,105 $ft^2$, respectively. Based on Site investigation data, the approximate volumes of Type 1 and 2 soils include:

- Approximately 1,630 cubic yards ($yds^3$) of Type 1 soil (PCB concentrations in soil ≥ 50 mg/kg);
- Approximately 340 $yds^3$ of Type 2 soil (PCB concentrations < 50 mg/kg but > 10/mg/kg).

The proposed soil excavation has been separated into three primary areas, designated Areas A, B and C as shown on Figure 5. Area A, situated on the southern portion of PCB excavation area, will be the first area excavated. Type 1 soils (> 50 mg/kg PCBs) will be excavated first. Once Type 1 soils have been excavated to the clean-up goal of < 10 mg/kg, Type 2 soils will then be excavated. The aforementioned steps and processes will be subsequently repeated in Areas B and C until a cleanup level of < 10 mg/kg is achieved across the entire impacted area. Soil excavation sequencing is subject to change based on feedback from the selected remediation contractor and conditions encountered in the subsurface during

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performance of the work. As requested[1] by USEPA, the selected remediation contractor will submit a Implementation Work Plan to USEPA which will outline the soil excavation sequencing program.

Figure 5 depicts the locations of the characterization samples collected and the proposed remediation areas, excavation depths, and differentiation between Type 1 (> 50 mg/kg) and Type 2 (< 50 mg/kg and >10/mg/kg) soils.

Excavation dewatering will be necessary in areas where soil removal extends greater than 5 to 6 feet below grade. Dewatered effluent will be either: (i) containerized on-Site in fractionation tanks and then transported off-Site to an appropriate facility for disposal; or (ii) treated on-Site (via a mobile treatment system) then discharged to an approved location (i.e., surface water body). All local, state, and federal permits and approvals necessary for the soil excavation and construction dewatering activities will be in-place prior to the commencement of work.

### 5.5 Verification Sampling

Following completion of the initial soil excavation, post-excavation samples will be collected in accordance with 40 CFR § 761.289(b)(1) Subpart O sampling plan. Based on the conceptual site model for the PCB release, the defined extent of PCB-impacted soils and excavation areas, and the existing data, a verification sampling frequency of one composite confirmatory sample per a maximum of nine discrete soil samples (i.e., approximately a 10' x 10' grid with 3-meter hexagonal grid spacing) is proposed, resulting in 41 composite verification samples.

Samples will be extracted by USEPA Method 3540C (Soxhlet Extraction) and analyzed for PCBs by USEPA Method 8082. The proposed verification sampling plan and Excavation Areas A, B, and C are shown on Figure 6. Soil excavation will begin at Area A with Type 1 soils (>50 mg/kg PCBs) being removed first. Once Type 1 soils have been excavated to the depths shown on Figure 5, discrete and composite verification soil samples will be collected as shown on Figure 6.

Upon receipt of the verification sample analytical results, the sample results will be compared to the following cleanup levels:

- If > 50 mg/kg, additional soil excavation activities will be performed in the respective grid areas (an additional six inches of soil excavated), the soil will be segregated as hazardous waste and verification samples collected at the frequency indicated above using off-set sampling locations. This process will be repeated until a cleanup level of < 10 mg/kg is achieved.
- If > 10 mg/kg but < 50 mg/kg additional soil excavation activities will be performed in the respective grid areas (an additional six inches of soil excavated), soil will be segregated into the non-hazardous stockpile for off-site disposal, and verification samples collected at the frequency indicated above using offset sampling locations.

Once Type 1 soils have been excavated to the clean-up level, Type 2 soils will be excavated from Area A, discrete and composite verification samples will be collected.

Upon receipt of the verification sample analytical results, the sample results will be compared to the following cleanup levels:

- If ≤ 10 mg/kg, the clean-up will be considered complete in the non-hazardous areas.
- If > 10 mg/kg, additional soil excavation activities will be performed in the respective grid areas and verification samples will be collected at the frequency indicated above using offset sampling locations.

[1] USEPA and ESS conference call on December 4, 2013.

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- This process will be repeated until a cleanup level < 10 mg/kg is achieved.

The aforementioned steps and processes will be subsequently repeated in Area B and C until a cleanup level of < 10 mg/kg is achieved across the entire impacted area.

Additional details regarding the verification sampling plan are provided below:

- All samples will be transported to the laboratory under standard chain of custody procedures, extracted using USEPA Method 3540C (Soxhlet extraction), and analyzed for PCBs using USEPA Method 8082.
- In addition to the samples indicated above, field duplicate and matrix spike/matrix spike duplicate samples will be collected at a frequency of one per 20 primary samples. One equipment field blank will be collected during the verification sampling process. Temperature blanks will be included with every cooler. These samples will be submitted to the laboratory as part of the QA/QC procedures associated with sample collection. One method blank will be analyzed with each extraction batch.

## 5.6 Storage and Disposal

The following activities will be completed with regard to the proper storage and disposal of PCB remediation waste:

- At the end of each work day, any open excavations will be secured by temporary fencing and covered with an acceptable materials (i.e., 8-mil polyethylene sheeting). The excavation area(s) will be equipped with proper erosion and sediment control devices, as outlined in a SWPPP.
- A secure, lined, covered, and marked waste container (roll-off or equivalent) or 55-gallon U.S. Department of Transportion ("DOT")-approved steel containers will be staged for the collection of PCB wastes generated during the work activities in accordance with 40 CFR § 761.65 and/or soils will be direct loaded in transportation vehicles for shipment to the disposal facility.
- All containers will be properly labeled and marked in accordance with 40 CFR § 761.40.
- Upon completion of the work or when a container is considered full, the PCB remediation waste will be transported off-Site under manifest or bills of lading for disposal at an approved disposal facility(ies). Soils classified as hazardous waste (≥ 50 mg/kg) will be segregated for disposal at a hazardous waste landfill (e.g. the Chemical Waste Management facility located in Model City, New York, or equivalent) or approved RCRA Part B facility in accordance with 40 CFR § 761.61(a) (e.g., Heritage Environmental Services LLC hazardous waste landfill located in Roachdale, Indiana, or equivalent). Soils classified as non-hazardous (< 50 mg/kg) will be segregated for disposal at a non-hazardous waste disposal facility.
- Copies of all manifests, waste shipment records, bills of lading, and certificates of disposal will be collected and provided as part of the final report to EPA.
- Groundwater recovered from open excavations will be either temporarily stored in DOT-approved frac tanks and disposed of off-Site at an appropriate facility or will be treated on-Site (via a mobile treatment system) and subsequently discharged to an RIDEM-approved discharge location. No discharge of effluent will occur during non-working hours.

## 5.7 Site Restoration

Following completion of the excavation activities and verification that the cleanup levels have been met, all soil excavation areas will be backfilled and compacted with clean fill (or surrounding urban fill) and a low permeability cap will be installed over the entire area where PCBs exist in soil at concentrations above 1 mg/kg. The low permeability cap will be an asphalt cap with a minimum of 6-inch thickness. The

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asphalt will be laid in three-inch by three inch perpendicular lifts. The area of the proposed low permeability cap and cap design specifications are shown on Figure 7. The Site controls will be dismantled and all wastes will be transported off-Site for proper disposal.

### 5.8 Environmental Land Use Restriction

As previously stated, an ELUR will be part of the proposed final remedy at the Site. For this Site, an ELUR specifically for the area where PCBs exist in soil at concentrations above 1 mg/kg also would need to be recorded. The ELUR for the PCB area would state that the land has been used for PCB remediation waste disposal, document the existence of the cap and the requirement to maintain the cap, and document the applicable cleanup levels left at the site under the cap, as required by 40 C.F.R. § 761.61 (a)(8). The ELUR will include exhibits such as a metes and bounds description of the area of the Site that the ELUR would affect and a post-construction soil management plan that describes maintenance of the Site caps as well as providing details of inspections that must be conducted to ensure the integrity of these caps. Immediately after recording the ELUR in the Land Evidence Records of the City of Providence, a certification signed by the property owner will be submitted to the EPA Regional Administrator stating that the ELUR has been recorded in accordance with 40 C.F.R. § 761.61 (a)(8)(i)(A).

### 5.9 Recordkeeping and Documentation

Following completion of the remedial and Site restoration activities, records and documents per 40 C.F.R. Part 761 will be generated and maintained at one location. These documents will be made available to EPA upon request. A final report documenting the completion of the work activities and including but not limited to a description of the work activities, verification analytical results, volumes of disposed materials, and waste disposal documentation will be prepared and submitted to EPA.

## 6.0 SCHEDULE

ESS proposes the following schedule to implement the SIP.

| Activity | Timeframe |
|---|---|
| PCB Soil Remediation | August – September 2014 |
| Re-grading and Capping | September – October 2014 |
| Draft ELUR | November – December 2014 |
| USEPA Final SIP Report | January – April 2015 |
| RIDEM Closure Report | January – April 2015 |
| Recording of ELUR | March – April 2015 |

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# Tables

# Table 1
## Soil Data - PCBs
## 1 India Street, Providence, Rhode Island

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | CS-1 | CS-2 | PB-3 (0'-2') | PB-4 (0'-2') | PB-5 (0'-2') | SB-13 (0'-2') | SB-14 (0'-2') | SB-15 (0'-2') | SB-16 (3'-6') | SB-16A (2'-5') | SB-17 (3'-5') | SB-17A (3'-5') | SB-18 (0'-2') | SB-18A (0'-2') | SB-19 (0'-4') | SB-20 (0'-2') | SB-21 (0'-2') | SB-21A (0'-1') | SB-21A (1'-2') | SB-21A (2'-3') | SB-21A (3'-4') | SB-22 (0'-3') | SB-23 (4'-6') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 6/27/2011 | 6/27/2011 | 6/8/2009 | 6/8/2009 | 6/8/2009 | 8/12/2009 | 8/12/2009 | 8/12/2009 | 8/12/2009 | 8/12/2009 | 8/14/2009 | 8/14/2009 | 8/14/2009 | 8/14/2009 | 8/14/2009 | 8/14/2009 | 8/12/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 8/14/2009 | 8/12/2009 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0586) | ND(0.0993) | ND(0.0388) | ND(0.037) | ND(0.0347) | ND(0.0775) | ND(0.179) | ND(0.196) | ND(0.0383) | ND(0.0383) | ND(0.0379) | ND(0.0402) | ND(0.177) | ND(0.0351) | ND(0.181) | ND(0.175) | ND(7.75) | ND(19.8) | ND(1.9) | ND(0.035) | ND(0.04) | ND(0.194) | ND(0.0374) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0586) | ND(0.0993) | ND(0.0388) | ND(0.037) | ND(0.0347) | ND(0.0775) | ND(0.179) | ND(0.196) | ND(0.0383) | ND(0.0383) | ND(0.0379) | ND(0.0402) | ND(0.177) | ND(0.0351) | ND(0.181) | ND(0.175) | ND(7.75) | ND(19.8) | ND(1.9) | ND(0.035) | ND(0.04) | ND(0.194) | ND(0.0374) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0586) | ND(0.0993) | ND(0.0388) | ND(0.037) | ND(0.0347) | ND(0.0775) | ND(0.179) | ND(0.196) | ND(0.0383) | ND(0.0383) | ND(0.0379) | ND(0.0402) | ND(0.177) | ND(0.0351) | ND(0.181) | ND(0.175) | ND(7.75) | ND(19.8) | ND(1.9) | ND(0.035) | ND(0.04) | ND(0.194) | ND(0.0374) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0586) | ND(0.0993) | ND(0.0388) | ND(0.037) | ND(0.0347) | ND(0.0775) | ND(0.179) | ND(0.196) | ND(0.0383) | ND(0.0383) | ND(0.0379) | ND(0.0402) | ND(0.177) | ND(0.0351) | ND(0.181) | ND(0.175) | ND(7.75) | ND(19.8) | ND(1.9) | ND(0.035) | ND(0.04) | ND(0.194) | ND(0.0374) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0390) | ND(0.0662) | 0.383 | ND(0.037) | ND(0.0347) | ND(0.0775) | ND(0.179) | ND(0.196) | ND(0.0383) | ND(0.0383) | ND(0.0379) | ND(0.0402) | 0.313 | ND(0.0351) | ND(0.181) | ND(0.175) | **29.7** | **267** | **22.8** | 0.335 | 0.632 | 0.7 | ND(0.0374) |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 0.199 B | ND(0.0993) | 0.442 | ND(0.037) | ND(0.0347) | ND(0.0775) | ND(0.179) | ND(0.196) | ND(0.0383) | ND(0.0383) | ND(0.0379) | ND(0.0402) | 0.397 | ND(0.0351) | ND(0.181) | ND(0.175) | **15.5** | **151** | **13.3** | 0.162 | 0.314 | 0.94 | ND(0.0374) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0390) | ND(0.0662) | ND(0.0388) | ND(0.037) | ND(0.0347) | ND(0.0775) | ND(0.179) | ND(0.196) | ND(0.0383) | ND(0.0383) | ND(0.0379) | ND(0.0402) | ND(0.177) | ND(0.0351) | ND(0.181) | ND(0.175) | ND(7.75) | ND(19.8) | ND(1.9) | ND(0.035) | ND(0.04) | 0.303 | ND(0.0374) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0195) | ND(0.0331) | ND(0.0388) | ND(0.037) | ND(0.0347) | ND(0.0775) | ND(0.179) | ND(0.196) | ND(0.0383) | ND(0.0383) | ND(0.0379) | ND(0.0402) | ND(0.177) | ND(0.0351) | ND(0.181) | ND(0.175) | ND(7.75) | ND(19.8) | ND(1.9) | ND(0.035) | ND(0.04) | ND(0.194) | ND(0.0374) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0195) | ND(0.0331) | ND(0.0388) | ND(0.037) | ND(0.0347) | ND(0.0775) | ND(0.179) | ND(0.196) | ND(0.0383) | ND(0.0383) | ND(0.0379) | ND(0.0402) | ND(0.177) | ND(0.0351) | ND(0.181) | ND(0.175) | ND(7.75) | ND(19.8) | ND(1.9) | ND(0.035) | ND(0.04) | ND(0.194) | ND(0.0374) |
| | | | | | | 0.199 B | ND(0.0993) | 0.825 | ND(0.037) | ND(0.0347) | ND(0.0775) | ND(0.179) | ND(0.196) | ND(0.0383) | ND(0.0383) | ND(0.0379) | ND(0.0402) | 0.71 | ND(0.0351) | ND(0.181) | ND(0.175) | **45.2** | **418** | **36.1** | 0.497 | 0.946 | 1.943 | ND(0.0374) |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-24 (3'-6') | SB-25A (0"-3") | SB-25 (0'-3') | SB-26 (0'-2') | SB-26A (0'-1') | SB-26A (1'-2') | SB-26A (2'-3') | SB-26A (3'-4') | SB-27 (0'-2') | SB-27A (0'-1') | SB-27A (1'-2') | SB-27A (2'-3') | SB-27A (3'-4') | SB-27A (4'-5') | SB-27A (5'-6') | SB-28 (0'-2') | SB-28A (0'-1') | SB-28A (1'-2') | SB-28A (2'-3') | SB-28A (3'-4') | SB-28A (4'-5') | SB-28A (5'-6') | SB-29 (0'-2') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 8/12/2009 | 5/18/2010 | 8/12/2009 | 9/11/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 9/11/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 9/11/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 9/11/2009 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0388) | ND(0.0344) | ND(0.383) | ND(3.74) | ND(7.34) | ND(7.81) | ND(0.0401) | ND(0.037) | ND(1920) | ND(810) | ND(3940) | ND(399) | ND(205) | ND(87.2) | ND(0.207) | ND(0.741) | ND(15.6) | ND(7.52) | ND(2) | ND(0.389) | ND(0.0371) | ND(0.0388) | ND(36.2) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0388) | ND(0.0344) | ND(0.383) | ND(3.74) | ND(7.34) | ND(7.81) | ND(0.0401) | ND(0.037) | ND(1920) | ND(810) | ND(3940) | ND(399) | ND(205) | ND(87.2) | ND(0.207) | ND(0.741) | ND(15.6) | ND(7.52) | ND(2) | ND(0.389) | ND(0.0371) | ND(0.0388) | ND(36.2) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0388) | ND(0.0344) | ND(0.383) | ND(3.74) | ND(7.34) | ND(7.81) | ND(0.0401) | ND(0.037) | ND(1920) | ND(810) | ND(3940) | ND(399) | ND(205) | ND(87.2) | ND(0.207) | ND(0.741) | ND(15.6) | ND(7.52) | ND(2) | ND(0.389) | ND(0.0371) | ND(0.0388) | ND(36.2) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0388) | ND(0.0344) | ND(0.383) | ND(3.74) | ND(7.34) | ND(7.81) | ND(0.0401) | ND(0.037) | ND(1920) | ND(810) | ND(3940) | ND(399) | ND(205) | ND(87.2) | ND(0.207) | ND(0.741) | ND(15.6) | ND(7.52) | ND(2) | ND(0.389) | ND(0.0371) | ND(0.0388) | ND(36.2) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0388) | 0.0694 | 3.87 | **30.2** | **110** | **41.3** | 0.198 | 0.103 | **7,430** | **14,100** | **12,100** | **4,970** | **1,170** | **220** | 1.17 | 5.07 | **216** | **68.4** | 6.81 | 4.32 | 0.0694 | ND(0.0388) | **84.4** |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0388) | 0.17 | 1.91 | ND(3.74) | **60** | **20.5** | 0.106 | 0.0426 | ND(1920) | **6,490** | ND(3940) | **2,180** | **468** | **107** | ND(0.207) | ND(0.741) | **119** | **34.5** | 4.30 | 3.60 | ND(0.0371) | ND(0.0388) | ND(36.2) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0388) | ND(0.0344) | ND(0.383) | ND(3.74) | ND(7.34) | ND(7.81) | ND(0.0401) | ND(0.037) | ND(1920) | ND(810) | ND(3940) | ND(399) | ND(205) | ND(87.2) | ND(0.207) | ND(0.741) | ND(15.6) | ND(7.52) | ND(2) | 1.02 | ND(0.0371) | ND(0.0388) | ND(36.2) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0388) | ND(0.0344) | ND(0.383) | ND(3.74) | ND(7.34) | ND(7.81) | ND(0.0401) | ND(0.037) | ND(1920) | ND(810) | ND(3940) | ND(399) | ND(205) | ND(87.2) | ND(0.207) | ND(0.741) | ND(15.6) | ND(7.52) | ND(2) | ND(0.389) | ND(0.0371) | ND(0.0388) | ND(36.2) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0388) | ND(0.0344) | ND(0.383) | ND(3.74) | ND(7.34) | ND(7.81) | ND(0.0401) | ND(0.037) | ND(1920) | ND(810) | ND(3940) | ND(399) | ND(205) | ND(87.2) | ND(0.207) | ND(0.741) | ND(15.6) | ND(7.52) | ND(2) | ND(0.389) | ND(0.0371) | ND(0.0388) | ND(36.2) |
| | | | | | | ND(0.0388) | 0.2394 | 5.78 | **30.2** | **170** | **61.8** | 0.304 | 0.1456 | **7,430** | **20,590** | **12,100** | **7,150** | **1,638** | **327** | 1.17 | 5.07 | **335** | **102.9** | **11.11** | 8.94 | 0.0694 | ND(0.0388) | **84.4** |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-29A (0'-1') | SB-29A DUP (0'-1') | SB-29A (1'-2') | SB-29A DUP (1'-2') | SB-29A (2'-3') | SB-29A DUP (2'-3') | SB-29A (3'-4') | SB-29A DUP (3'-4') | SB-29A (4'-5') | SB-29A DUP (4'-5') | SB-29A (5'-6') | SB-29A DUP (5'-6') | SB-30 (0'-2') | SB-30A (0'-1') | SB-30A (1'-2') | SB-30A (2'-3') | SB-30A (3'-4') | VS-30 (6'-7') | SB-31 (0'-1') | SB-31 (1'-2') | SB-31 (2'-3') | SB-31 (3'-4') | SB-31 (4'-5') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 9/11/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 5/21/2010 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(7.62) | ND(7.85) | ND(3.91) | ND(7.43) | ND(0.394) | ND(0.394) | ND(0.0441) | ND(0.0392) | ND(0.0403) | ND(0.0434) | ND(0.0468) | ND(0.0381) | ND(3.77) | ND(38.8) | ND(7.83) | ND(7.58) | ND(0.0372) | ND(0.188) | ND(399) | ND(3830) | ND(186) | ND(3.82) | ND(1.94) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(7.62) | ND(7.85) | ND(3.91) | ND(7.43) | ND(0.394) | ND(0.394) | ND(0.0441) | ND(0.0392) | ND(0.0403) | ND(0.0434) | ND(0.0468) | ND(0.0381) | ND(3.77) | ND(38.8) | ND(7.83) | ND(7.58) | ND(0.0372) | ND(0.188) | ND(399) | ND(3830) | ND(186) | ND(3.82) | ND(1.94) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(7.62) | ND(7.85) | ND(3.91) | ND(7.43) | ND(0.394) | ND(0.394) | ND(0.0441) | ND(0.0392) | ND(0.0403) | ND(0.0434) | ND(0.0468) | ND(0.0381) | ND(3.77) | ND(38.8) | ND(7.83) | ND(7.58) | ND(0.0372) | ND(0.188) | ND(399) | ND(3830) | ND(186) | ND(3.82) | ND(1.94) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(7.62) | ND(7.85) | ND(3.91) | ND(7.43) | ND(0.394) | ND(0.394) | ND(0.0441) | ND(0.0392) | ND(0.0403) | ND(0.0434) | ND(0.0468) | ND(0.0381) | ND(3.77) | ND(38.8) | ND(7.83) | ND(7.58) | ND(0.0372) | ND(0.188) | ND(399) | ND(3830) | ND(186) | ND(3.82) | ND(1.94) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | **135** | **104** | **12.7** | **24.6** | 1.6 B | 1.29 | 0.629 | 0.519 | 0.0778 | 0.0512 | ND (0.0468) | 0.329 | **17.3** | **252 B** | **115 B** | **59.4 B** | 0.115 | 0.39 | **3,260 B** | **40,100 B** | **1,020 B** | **32.5 B** | 9.73 B |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | **72.2** | **63** | ND (3.91) | **13.1** | 0.982 | 1.08 | 0.441 | 0.214 | ND(0.0403) | ND(0.0434) | ND(0.0468) | ND(0.0381) | ND(3.77) | **129** | **50.4** | **30.3** | 0.0432 | ND(0.188) | **1,780** | **14,200** | **320** | **11.3 P** | 2.74 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(7.62) | ND(7.85) | ND(3.91) | ND(7.43) | ND(0.394) | ND(0.394) | ND(0.0441) | ND(0.0392) | ND(0.0403) | ND(0.0434) | ND(0.0468) | ND(0.0381) | ND(3.77) | ND(38.8) | ND(7.83) | ND(7.58) | ND(0.0372) | ND(0.188) | ND(399) | ND(3830) | ND(186) | ND(3.82) | ND(1.94) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(7.62) | ND(7.85) | ND(3.91) | ND(7.43) | ND(0.394) | ND(0.394) | ND(0.0441) | ND(0.0392) | ND(0.0403) | ND(0.0434) | ND(0.0468) | ND(0.0381) | ND(3.77) | ND(38.8) | ND(7.83) | ND(7.58) | ND(0.0372) | ND(0.188) | ND(399) | ND(3830) | ND(186) | ND(3.82) | ND(1.94) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(7.62) | ND(7.85) | ND(3.91) | ND(7.43) | ND(0.394) | ND(0.394) | ND(0.0441) | ND(0.0392) | ND(0.0403) | ND(0.0434) | ND(0.0468) | ND(0.0381) | ND(3.77) | ND(38.8) | ND(7.83) | ND(7.58) | ND(0.0372) | ND(0.188) | ND(399) | ND(3830) | ND(186) | ND(3.82) | ND(1.94) |
| | | | | | | **207.2** | **167** | **12.7** | **37.7** | 2.582 B | 2.37 | 1.07 | 0.733 | 0.0778 | 0.0512 | ND (0.0468) | ND(0.329) | **17.3** | **381 B** | **165 B** | **89.7 B** | 0.1582 | 0.39 | **5,040 B** | **54,300 B** | **1,340 B** | **43.8 BP** | **12.47 BP** |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-31 (5'-6') | SB-32 (0'-1') | SB-32 (1'-2') | SB-32 (4'-5') | SB-32 (5'-6') | SB-33 (0'-1') | SB-33 (1'-2') | SB-33 (4'-5') | SB-33 (5'-6') | SB-34 (0'-1') | SB-34 (1'-2') | SB-34 (4'-5') | SB-34 (5'-6') | SB-35 (0'-1') | SB-35 (1'-2') | SB-35 (2'-3') | SB-35 (3'-4') | SB-35 (4'-5') | SB-35 (5'-6') | SB-36 (0'-1') | SB-36 (1'-2') | SB-36 (2'-3') | SB-36 (3'-4') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.357) | ND(782) | ND(1920) | ND(18500) | ND(3820) | ND(205) | ND(388) | ND(4.11) | ND(0.479) | ND(398) | ND(929) | ND(0.0371) | ND(0.0389) | ND(375) | ND(363) | ND(976) | ND(740) | ND(758) | ND(1.81) | ND(18.7) | ND(0.714) | ND(1.82) | ND(0.361) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.357) | ND(782) | ND(1920) | ND(18500) | ND(3820) | ND(205) | ND(388) | ND(4.11) | ND(0.479) | ND(398) | ND(929) | ND(0.0371) | ND(0.0389) | ND(375) | ND(363) | ND(976) | ND(740) | ND(758) | ND(1.81) | ND(18.7) | ND(0.714) | ND(1.82) | ND(0.361) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.357) | ND(782) | ND(1920) | ND(18500) | ND(3820) | ND(205) | ND(388) | ND(4.11) | ND(0.479) | ND(398) | ND(929) | ND(0.0371) | ND(0.0389) | ND(375) | ND(363) | ND(976) | ND(740) | ND(758) | ND(1.81) | ND(18.7) | ND(0.714) | ND(1.82) | ND(0.361) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.357) | ND(782) | ND(1920) | ND(18500) | ND(3820) | ND(205) | ND(388) | ND(4.11) | ND(0.479) | ND(398) | ND(929) | ND(0.0371) | ND(0.0389) | ND(375) | ND(363) | ND(976) | ND(740) | ND(758) | ND(1.81) | ND(18.7) | ND(0.714) | ND(1.82) | ND(0.361) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 1.32 B | **8,740 B** | **12,200 B** | **94,500 B** | **19,000 B** | **2,700 B** | **4,060 B** | **53.9 B** | 6.40 B | **2,200 B** | **7,460 B** | 0.0669 | 0.156 | **2,080 B** | **3,230 B** | **8,160 B** | **4,840 B** | **2,410 B** | 9.07 B | **242 B** | 5.71 B | 8.67 B | 1.06 B |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | ND(0.357) | **4,440** | **5,210** | **31,000** | **6,040** | **1,370** | **2,070** | **20.1** | 1.81 | **1,400** | **3,320** | ND(0.0371) | 0.0552 | **1,270** | **2,030** | **3,020** | **2,150** | **1,080** | 3.89 | **136** | 3.99 | 6.74 | 0.597 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.357) | ND(782) | ND(1920) | ND(18500) | ND(3820) | ND(205) | ND(388) | ND(4.11) | ND(0.479) | ND(398) | ND(929) | ND(0.0371) | ND(0.0389) | ND(375) | ND(363) | ND(976) | ND(740) | ND(758) | ND(1.81) | ND(18.7) | ND(0.714) | ND(1.82) | ND(0.361) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.357) | ND(782) | ND(1920) | ND(18500) | ND(3820) | ND(205) | ND(388) | ND(4.11) | ND(0.479) | ND(398) | ND(929) | ND(0.0371) | ND(0.0389) | ND(375) | ND(363) | ND(976) | ND(740) | ND(758) | ND(1.81) | ND(18.7) | ND(0.714) | ND(1.82) | ND(0.361) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.357) | ND(782) | ND(1920) | ND(18500) | ND(3820) | ND(205) | ND(388) | ND(4.11) | ND(0.479) | ND(398) | ND(929) | ND(0.0371) | ND(0.0389) | ND(375) | ND(363) | ND(976) | ND(740) | ND(758) | ND(1.81) | ND(18.7) | ND(0.714) | ND(1.82) | ND(0.361) |
| | | | | | | 1.32 B | **13,180 B** | **17,410 B** | **125,500 B** | **25,040 B** | **4,070 B** | **6,130 B** | **74 B** | 8.21 B | **3,600 B** | **10,780 B** | 0.0669 | 0.2112 | **3,350** | **5,260** | **11,180** | **6,990** | **3,490** | **12.96 B** | **378 B** | 9.70 B | **15.41 B** | 1.657 B |

Notes:

1. BOLD Values Exceed the RIDEM Residential and Industrial Direct Exposure Criteria and the GB Leachability Criteria
2. BOLD Shaded (Yellow) Values are greater than 50 mg/kg (TSCA).
3. "ND" = Not detected above the presented laboratory reporting limit
4. "P" = The relative percent difference between the two columns exceeds the method specific criteria. The higher of the two results is shown.
5. Results qualified as estimated "J" and non-detects estimated "UJ" have field duplicate samples with relative percent differences above acceptance criteria
6. "JL" = Estimated value with potential low bias because sample was extracted after the 14-day holding time
7. The method blank associated with samples qualified with "B", has a concentration above the reporting limit for a specified Aroclor.

# Table 1
## Soil Data - PCBs
## 1 India Street, Providence, Rhode Island

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | VS-36 (5'-6') | VS-36 (6'-7') | SB-37 (0'-1') | SB-37 (1'-2') | SB-37 ( 2'-3') | SB-37A (2'-3') | SB-37 (3'-4') | SB-37A (3'-4') | VS-37 (6'-7') | VS-37 (7'-8') | VS-37 (8'-9') | VS-37 (9'-10') | SB-38 (0'-1') | SB-38 (1'-2') | SB-38 (2'-3') | SB-38 (3'-4') | VS-38 (6'-7') | SB-39 (0'-1') | SB-39 (1'-2') | SB-39 (2'-3') | SB-39 (3'-4') | VS-39 (6'-7') | VS-39 (7'-8') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 5/21/2010 | 5/21/2010 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 5/20/2010 | 10/1/2009 | 5/20/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 5/21/2010 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 10/1/2009 | 5/21/2010 | 5/21/2010 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(7.08) | ND(0.186) | ND(7.7) | ND(3.91) | ND(1.82) | ND(3.96) | ND(0.372) | ND(0.038) | ND(7.06) | ND(7.62) | ND(38.5) | ND(0.794) | ND(7.9) | ND(3.86) | ND(0.362) | ND(0.401) | ND(0.384) | ND(19.8) | ND(3.72) | ND(0.364) | ND(0.0384) | ND(7.59) | ND(0.386) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(7.08) | ND(0.186) | ND(7.7) | ND(3.91) | ND(1.82) | ND(3.96) | ND(0.372) | ND(0.038) | ND(7.06) | ND(7.62) | ND(38.5) | ND(0.794) | ND(7.9) | ND(3.86) | ND(0.362) | ND(0.401) | ND(0.384) | ND(19.8) | ND(3.72) | ND(0.364) | ND(0.0384) | ND(7.59) | ND(0.386) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(7.08) | ND(0.186) | ND(7.7) | ND(3.91) | ND(1.82) | ND(3.96) | ND(0.372) | ND(0.038) | ND(7.06) | ND(7.62) | ND(38.5) | ND(0.794) | ND(7.9) | ND(3.86) | ND(0.362) | ND(0.401) | ND(0.384) | ND(19.8) | ND(3.72) | ND(0.364) | ND(0.0384) | ND(7.59) | ND(0.386) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(7.08) | ND(0.186) | ND(7.7) | ND(3.91) | ND(1.82) | ND(3.96) | ND(0.372) | ND(0.038) | ND(7.06) | ND(7.62) | ND(38.5) | ND(0.794) | ND(7.9) | ND(3.86) | ND(0.362) | ND(0.401) | ND(0.384) | ND(19.8) | ND(3.72) | ND(0.364) | ND(0.0384) | ND(7.59) | ND(0.386) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | **46.1** | 0.657 | **49.1** | **25.1** | 6.68 B | **12.4** | 1.68 B | 0.197 | **28.1** | **43.2** | **320** | 3.96 | **58** | **31.1** | 1.12 B | 1.97 | 2.06 | **198** | **16.9** | 0.635 B | 0.093 | **29.9** | 1.8 |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | ND(7.08) | ND(0.186) | **32.5** | **24.5** | 8.41 | ND(3.96) | 0.787 | 0.11 | ND(7.06) | ND(7.62) | ND(38.5) | ND(0.794) | **42.8** | **15.6** | 0.368 | 0.572 | ND(0.384) | **126** | 8.79 | ND(0.364) | 0.0476 | ND(7.59) | ND(0.386) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(7.08) | ND(0.186) | ND(7.7) | ND(3.91) | ND(1.82) | ND(3.96) | ND(0.372) | ND(0.038) | ND(7.06) | ND(7.62) | ND(38.5) | ND(0.794) | ND(7.9) | ND(3.86) | ND(0.362) | ND(0.401) | ND(0.384) | ND(19.8) | ND(3.72) | ND(0.364) | ND(0.0384) | ND(7.59) | ND(0.386) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(7.08) | ND(0.186) | ND(7.7) | ND(3.91) | ND(1.82) | ND(3.96) | ND(0.372) | ND(0.038) | ND(7.06) | ND(7.62) | ND(38.5) | ND(0.794) | ND(7.9) | ND(3.86) | ND(0.362) | ND(0.401) | ND(0.384) | ND(19.8) | ND(3.72) | ND(0.364) | ND(0.0384) | ND(7.59) | ND(0.386) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(7.08) | ND(0.186) | ND(7.7) | ND(3.91) | ND(1.82) | ND(3.96) | ND(0.372) | ND(0.038) | ND(7.06) | ND(7.62) | ND(38.5) | ND(0.794) | ND(7.9) | ND(3.86) | ND(0.362) | ND(0.401) | ND(0.384) | ND(19.8) | ND(3.72) | ND(0.364) | ND(0.0384) | ND(7.59) | ND(0.386) |
| | | | | | | **46.1** | 0.657 | **81.6** | **49.6** | **15.09** | 12.4 | 2.467 | 0.307 | **28.1** | **43.2** | **320** | 3.96 | **100.8** | **46.7** | 1.488 | 2.542 | 2.444 | **324** | **25.69** | 0.635 B | 0.1406 | **29.9** | 1.8 |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | VS-39 (8'-9') | VS-39 (9'-10') | VS-39-DUP (9'-10') | SB-40 (0'-1') | SB-40 (1'-2') | SB-40A (1'-2') | SB-40 (2'-3') | SB-40A (2'-3') | SB-40 (3'-4') | VS-40 (6'-7') | VS-40-DUP (6'-7') | VS-40 (7'-8') | VS-40 (8'-9') | VS-40 (9'-10') | SB-41 (0'-1') | SB-41 (1'-2') | SB-41 (2'-3') | VS-41 (6'-7') | SB-42 (0'-1') | SB-42 (1'-2') | SB-42 (2'-3') | VS-42 (5'-6') | VS-42-DUP (5'-6') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 5/21/2010 | 5/21/2010 | 5/21/2010 | 10/1/2009 | 10/1/2009 | 5/20/2010 | 10/1/2009 | 5/20/2010 | 10/1/2009 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 5/21/2010 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 5/21/2010 | 5/21/2010 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0356) | ND(0.191) | ND(0.193) | ND(75.7) | ND(3.83) | ND(8.22) | ND(0.764) | ND(0.733) | ND(0.739) | ND(0.381) | ND(3.86) | ND(0.0384) | ND(0.0374) | ND(0.038) | ND(0.041) | ND(0.0364) | ND(0.0357) | ND(0.75) | ND(0.202) | ND(0.0338) | ND(0.0355) | ND(3.57) | ND(1.95) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0356) | ND(0.191) | ND(0.193) | ND(75.7) | ND(3.83) | ND(8.22) | ND(0.764) | ND(0.733) | ND(0.739) | ND(0.381) | ND(3.86) | ND(0.0384) | ND(0.0374) | ND(0.038) | ND(0.041) | ND(0.0364) | ND(0.0357) | ND(0.75) | ND(0.202) | ND(0.0338) | ND(0.0355) | ND(3.57) | ND(1.95) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0356) | ND(0.191) | ND(0.193) | ND(75.7) | ND(3.83) | ND(8.22) | ND(0.764) | ND(0.733) | ND(0.739) | ND(0.381) | ND(3.86) | ND(0.0384) | ND(0.0374) | ND(0.038) | ND(0.041) | ND(0.0364) | ND(0.0357) | ND(0.75) | ND(0.202) | ND(0.0338) | ND(0.0355) | ND(3.57) | ND(1.95) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0356) | ND(0.191) | ND(0.193) | ND(75.7) | ND(3.83) | ND(8.22) | ND(0.764) | ND(0.733) | ND(0.739) | ND(0.381) | ND(3.86) | ND(0.0384) | ND(0.0374) | ND(0.038) | ND(0.041) | ND(0.0364) | ND(0.0357) | ND(0.75) | ND(0.202) | ND(0.0338) | ND(0.0355) | ND(3.57) | ND(1.95) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 0.45 | 1.15 | 1.06 | **232** | **47** | **46.4** | 2.46 B | 3.11 | 4.40 B | 2.51 | **28.1** | ND(0.0384) | ND(0.0374) | 0.107 | 0.661 | 0.0517 | ND(0.0357) | 2.81 | 3.04 | ND(0.0338) | 0.0705 | **18.7** | 9.79 |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0356) | ND(0.191) | ND(0.193) | **109** | **22.6** | **19** | 0.969 | ND(0.733) | 1.85 | ND(0.381) | ND(3.86) | ND(0.0384) | ND(0.0374) | ND(0.038) | 0.627 | ND(0.0364) | ND(0.0357) | ND(0.75) | 2.94 | 0.0393 | 0.0833 | **11.2** | 5.36 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0356) | ND(0.191) | ND(0.193) | ND(75.7) | ND(3.83) | ND(8.22) | ND(0.764) | ND(0.733) | ND(0.739) | ND(0.381) | ND(3.86) | ND(0.0384) | ND(0.0374) | ND(0.038) | ND(0.041) | ND(0.0364) | ND(0.0357) | ND(0.75) | ND(0.202) | ND(0.0338) | ND(0.0355) | ND(3.57) | ND(1.95) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0356) | ND(0.191) | ND(0.193) | ND(75.7) | ND(3.83) | ND(8.22) | ND(0.764) | ND(0.733) | ND(0.739) | ND(0.381) | ND(3.86) | ND(0.0384) | ND(0.0374) | ND(0.038) | ND(0.041) | ND(0.0364) | ND(0.0357) | ND(0.75) | ND(0.202) | ND(0.0338) | ND(0.0355) | ND(3.57) | ND(1.95) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0356) | ND(0.191) | ND(0.193) | ND(75.7) | ND(3.83) | ND(8.22) | ND(0.764) | ND(0.733) | ND(0.739) | ND(0.381) | ND(3.86) | ND(0.0384) | ND(0.0374) | ND(0.038) | ND(0.041) | ND(0.0364) | ND(0.0357) | ND(0.75) | ND(0.202) | ND(0.0338) | ND(0.0355) | ND(3.57) | ND(1.95) |
| | | | | | | 0.45 | 1.15 | 1.06 | **341** | **69.6** | **65.4** | 3.429 | 3.843 | 6.25 | 2.51 | **28.1** | ND(0.0384) | ND(0.0374) | 0.107 | 1.288 | 0.0517 | ND(0.0357) | 2.81 | 5.98 | 0.0393 | 0.1538 | **29.9** | **15.15** |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | VS-42 (6'-7') | VS-42 (7-8) | VS-42 (8-9) | VS-42 (9-10) | SB-43 (0'-1') | SB-43 (1'-2') | SB-43 (2'-3') | SB-43A (0-3") | SB-43A (0-3") DUP | SB-43A (3-6") | SB-43A (6-9") | SB-43A (9-12") | SB-44 (0'-1') | SB-44 (1'-2') | SB-44 (2'-3') | SB-45 (0'-1') | SB-45A (0-3") | SB-45A (3-6") | SB-45A (6-9") | SB-45A (9-12") | SB-45 (1'-2') | SB-45 (2'-3') | SB-46 (0'-1') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 5/18/2010 | 5/18/2010 | 5/18/2010 | 5/18/2010 | 5/18/2010 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 5/18/2010 | 5/18/2010 | 5/18/2010 | 5/18/2010 | 10/20/2009 | 10/20/2009 | 10/20/2009 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.78) | ND(0.0375) | ND(0.0377) | ND(0.0393) | ND(0.732) | ND(0.382) | ND(0.0341) | ND(1.92) | ND(1.45) | ND(0.79) | ND(0.961) | ND(1.15) | ND(0.211) | ND(0.181) | ND(0.0395) | ND(1.84) | ND(7.34) | ND(7.86) | ND(0.0384) | ND(0.0364) | ND(0.039) | ND(0.0342) | ND(0.181) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.78) | ND(0.0375) | ND(0.0377) | ND(0.0393) | ND(0.732) | ND(0.382) | ND(0.0341) | ND(1.92) | ND(1.45) | ND(0.79) | ND(0.961) | ND(1.15) | ND(0.211) | ND(0.181) | ND(0.0395) | ND(1.84) | ND(7.34) | ND(7.86) | ND(0.0384) | ND(0.0364) | ND(0.039) | ND(0.0342) | ND(0.181) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.78) | ND(0.0375) | ND(0.0377) | ND(0.0393) | ND(0.732) | ND(0.382) | ND(0.0341) | ND(1.92) | ND(1.45) | ND(0.79) | ND(0.961) | ND(1.15) | ND(0.211) | ND(0.181) | ND(0.0395) | ND(1.84) | ND(7.34) | ND(7.86) | ND(0.0384) | ND(0.0364) | ND(0.039) | ND(0.0342) | ND(0.181) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.78) | ND(0.0375) | ND(0.0377) | ND(0.0393) | ND(0.732) | ND(0.382) | ND(0.0341) | ND(1.92) | ND(1.45) | ND(0.79) | ND(0.961) | ND(1.15) | ND(0.211) | ND(0.181) | ND(0.0395) | ND(1.84) | ND(7.34) | ND(7.86) | ND(0.0384) | ND(0.0364) | ND(0.039) | ND(0.0342) | ND(0.181) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 4.61 | 0.101 | ND(0.0377) | ND(0.0393) | 5.45 | 2.88 | ND(0.0341) | 8.02 | 5.73 | 4.02 | 6.72 | 9.00 | 2.45 | 0.772 | ND(0.0395) | 4.76 | **23.6** | 6.32 | 0.571 | 0.363 | 0.0434 | ND(0.0342) | 3.39 |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 3.76 | ND(0.0375) | ND(0.0377) | ND(0.0393) | 3.41 | 2.02 | ND(0.0341) | 8.22 | 5.67 | 3.02 | 5.59 | 8.63 | 2.15 | 0.78 | ND(0.0395) | 2.78 | **16.8** | 5.16 | 0.496 | 0.315 P | 0.0577 | ND(0.0342) | 1.9 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.78) | ND(0.0375) | ND(0.0377) | ND(0.0393) | ND(0.732) | ND(0.382) | ND(0.0341) | ND(1.92) | ND(1.45) | ND(0.79) | ND(0.961) | ND(1.15) | ND(0.211) | ND(0.181) | ND(0.0395) | ND(1.84) | ND(7.34) | ND(7.86) | ND(0.0384) | ND(0.0364) | ND(0.039) | ND(0.0342) | ND(0.181) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.78) | ND(0.0375) | ND(0.0377) | ND(0.0393) | ND(0.732) | ND(0.382) | ND(0.0341) | ND(1.92) | ND(1.45) | ND(0.79) | ND(0.961) | ND(1.15) | ND(0.211) | ND(0.181) | ND(0.0395) | ND(1.84) | ND(7.34) | ND(7.86) | ND(0.0384) | ND(0.0364) | ND(0.039) | ND(0.0342) | ND(0.181) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.78) | ND(0.0375) | ND(0.0377) | ND(0.0393) | ND(0.732) | ND(0.382) | ND(0.0341) | ND(1.92) | ND(1.45) | ND(0.79) | ND(0.961) | ND(1.15) | ND(0.211) | ND(0.181) | ND(0.0395) | ND(1.84) | ND(7.34) | ND(7.86) | ND(0.0384) | ND(0.0364) | ND(0.039) | ND(0.0342) | ND(0.181) |
| | | | | | | 8.37 | 0.101 | ND(0.0377) | ND(0.0393) | 8.86 | 4.9 | ND(0.0341) | **16.24** | **11.4** | 7.04 | **12.31** | **17.63** | 4.6 | 1.552 | ND(0.0395) | 7.54 | 40.4 | **11.48** | 1.067 | 0.678 | 0.1011 | ND(0.0342) | 5.29 |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-46 (1'-2') | SB-46 (2'-3') | SB-47 (0'-1') | SB-47 (1'-2') | SB-47 (2'-3') | SB-48 (0'-1') | SB-48 (1'-2') | SB-48 (2'-3') | SB-48 (3'-4') | SB-49 (0'-1') | SB-49A (0"-3") | SB-49A (3"-6") | SB-49A-DUP (3"-6") | SB-49A (6"-9") | SB-49A (9"-12") | SB-49 (1'-2') | SB-49 (2'-3') | SB-49 (3'-4') | SB-50 (0'-1') | SB-50 (1'-2') | SB-50 (2'-3') | SB-50 (3'-4') | SB-50 (4'-5') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 5/18/2010 | 5/18/2010 | 5/18/2010 | 5/18/2010 | 5/18/2010 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0717) | ND(0.0375) | ND(795) | ND(773) | ND(0.38) | ND(8.04) | ND(0.739) | ND(0.0391) | ND(0.0345) | ND(7.83) | ND(3.72) | ND(3.88) | ND(11.8) | ND(3.61) | ND(0.184) | ND(0.366) | ND(0.0376) | ND(0.0352) | ND(4370) | ND(36.4) | ND(375) | ND(176) | ND(733) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0717) | ND(0.0375) | ND(795) | ND(773) | ND(0.38) | ND(8.04) | ND(0.739) | ND(0.0391) | ND(0.0345) | ND(7.83) | ND(3.72) | ND(3.88) | ND(11.8) | ND(3.61) | ND(0.184) | ND(0.366) | ND(0.0376) | ND(0.0352) | ND(4370) | ND(36.4) | ND(375) | ND(176) | ND(733) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0717) | ND(0.0375) | ND(795) | ND(773) | ND(0.38) | ND(8.04) | ND(0.739) | ND(0.0391) | ND(0.0345) | ND(7.83) | ND(3.72) | ND(3.88) | ND(11.8) | ND(3.61) | ND(0.184) | ND(0.366) | ND(0.0376) | ND(0.0352) | ND(4370) | ND(36.4) | ND(375) | ND(176) | ND(733) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0717) | ND(0.0375) | ND(795) | ND(773) | ND(0.38) | ND(8.04) | ND(0.739) | ND(0.0391) | ND(0.0345) | ND(7.83) | ND(3.72) | ND(3.88) | ND(11.8) | ND(3.61) | ND(0.184) | ND(0.366) | ND(0.0376) | ND(0.0352) | ND(4370) | ND(36.4) | ND(375) | ND(176) | ND(733) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 0.198 | 0.103 P | **2,700** | **1,910** | 4.45 | **54.7** | 3.56 | 0.0934 | ND(0.0345) | **22.4** | **41.5** | **38.9** | **66.1** | **22** | 0.979 | 0.937 | 0.273 | ND(0.0352) | **15,100** | **534** | **1,040** | **1,410** | **1,820** |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 0.132 | 0.0886 | ND(795) | ND(773) | 0.764 | **29.6** | 1.53 | 0.0441 | ND(0.0345) | **10.6** | **37** | **23.8** | **42.9** | **11.4** | 0.694 | 0.383 | 0.205 | ND(0.0352) | **4,890** | **167** | ND(375) | ND(176) | ND(733) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0717) | ND(0.0375) | ND(795) | ND(773) | ND(0.38) | ND(8.04) | ND(0.739) | ND(0.0391) | ND(0.0345) | ND(7.83) | ND(3.72) | ND(3.88) | ND(11.8) | ND(3.61) | ND(0.184) | ND(0.366) | ND(0.0376) | ND(0.0352) | ND(4370) | ND(36.4) | ND(375) | ND(176) | ND(733) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0717) | ND(0.0375) | ND(795) | ND(773) | ND(0.38) | ND(8.04) | ND(0.739) | ND(0.0391) | ND(0.0345) | ND(7.83) | ND(3.72) | ND(3.88) | ND(11.8) | ND(3.61) | ND(0.184) | ND(0.366) | ND(0.0376) | ND(0.0352) | ND(4370) | ND(36.4) | ND(375) | ND(176) | ND(733) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0717) | ND(0.0375) | ND(795) | ND(773) | ND(0.38) | ND(8.04) | ND(0.739) | ND(0.0391) | ND(0.0345) | ND(7.83) | ND(3.72) | ND(3.88) | ND(11.8) | ND(3.61) | ND(0.184) | ND(0.366) | ND(0.0376) | ND(0.0352) | ND(4370) | ND(36.4) | ND(375) | ND(176) | ND(733) |
| | | | | | | 0.33 | 0.1916 P | **2,700** | **1,910** | 5.214 | **84.3** | 5.09 | 0.1375 | ND(0.0345) | **33.0** | **78.5** | **62.7** | **109** | **33.4** | 1.673 | 1.32 | 0.478 | ND(0.0352) | **19,990** | **701** | **1,040** | **1,410** | **1,820** |

Notes:

1. BOLD Values Exceed the RIDEM Residential and Industrial Direct Exposure Criteria and the GB Leachability Criteria
2. BOLD Shaded (Yellow) Values are greater than 50 mg/kg (TSCA).
3. "ND" = Not detected above the presented laboratory reporting limit
4. "P" = The relative percent difference between the two columns exceeds the method specific criteria. The higher of the two results is shown.
5. Results qualified as estimated "J" and non-detects estimated "UJ" have field duplicate samples with relative percent differences above acceptance criteria
6. "JL" = Estimated value with potential low bias because sample was extracted after the 14-day holding time
7. The method blank associated with samples qualified with "B", has a concentration above the reporting limit for a specified Aroclor.

**Table 1**
**Soil Data - PCBs**
**1 India Street, Providence, Rhode Island**

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-50 (5'-6') | SB-51 (0'-1') | SB-51 (1'-2') | SB-51 (2'-3') | SB-52 (0'-1') | SB-52A (0"-3") | SB-52A (3"-6") | SB-52A (6"-9") | SB-52A (9"-12") | SB-52 (1'-2') | SB-52 (2'-3') | SB-53 (0'-1') | SB-53 (1'-2') | SB-53 (2'-3') | SB-53 (3'-4') | SB-53 (4'-5') | SB-53 (5'-6') | SB-54 (0'-1') | SB-54A (0"-3") | SB-54A (3"-6") | SB-54A (6"-9") | SB-54A (9"-12") | SB-54 (1'-2') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 5/18/2010 | 5/18/2010 | 5/18/2010 | 5/18/2010 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 5/18/2010 | 5/18/2010 | 5/18/2010 | 5/18/2010 | 10/20/2009 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(730) | ND(1.86) | ND(0.0375) | ND(0.0346) | ND(3.7) | ND(1.92) | ND(11.1) | ND(1.82) | ND(1.86) | ND(0.415) | ND(0.353) | ND(777) | ND(1020) | ND(759) | ND(360) | ND(77.9) | ND(38.3) | ND(0.83) | ND(7.49) | ND(7.78) | ND(4) | ND(3.9) | ND(0.0375) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(730) | ND(1.86) | ND(0.0375) | ND(0.0346) | ND(3.7) | ND(1.92) | ND(11.1) | ND(1.82) | ND(1.86) | ND(0.415) | ND(0.353) | ND(777) | ND(1020) | ND(759) | ND(360) | ND(77.9) | ND(38.3) | ND(0.83) | ND(7.49) | ND(7.78) | ND(4) | ND(3.9) | ND(0.0375) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(730) | ND(1.86) | ND(0.0375) | ND(0.0346) | ND(3.7) | ND(1.92) | ND(11.1) | ND(1.82) | ND(1.86) | ND(0.415) | ND(0.353) | ND(777) | ND(1020) | ND(759) | ND(360) | ND(77.9) | ND(38.3) | ND(0.83) | ND(7.49) | ND(7.78) | ND(4) | ND(3.9) | ND(0.0375) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(730) | ND(1.86) | ND(0.0375) | ND(0.0346) | ND(3.7) | ND(1.92) | ND(11.1) | ND(1.82) | ND(1.86) | ND(0.415) | ND(0.353) | ND(777) | ND(1020) | ND(759) | ND(360) | ND(77.9) | ND(38.3) | ND(0.83) | ND(7.49) | ND(7.78) | ND(4) | ND(3.9) | ND(0.0375) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | **1,500** | 7.85 | 0.349 | 0.193 | **30.3** | 9.89 | **125** | **30.3** | 9.2 | 1.61 | 2.76 | **9,450** | **6,650** | **4,220** | **1,030** | **315** | **639** | 8.74 | **41.6** | **81.7** | **37.8** | **21.7** | ND(0.0375) |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | ND(730) | 3.36 | 0.169 | ND(0.0346) | **12.1** | 7.29 | **57.7** | ND(1.82) | ND(1.86) | 0.629 | 1.13 | **2,750** | **1,920** | **1,170** | ND(360) | ND(77.9) | ND(38.3) | 4.34 | **23.6** | **48.5** | ND(4) | **10.7** | 0.148 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(730) | ND(1.86) | ND(0.0375) | ND(0.0346) | ND(3.7) | ND(1.92) | ND(11.1) | ND(1.82) | ND(1.86) | ND(0.415) | ND(0.353) | ND(777) | ND(1020) | ND(759) | ND(360) | ND(77.9) | ND(38.3) | ND(0.83) | ND(7.49) | ND(7.78) | ND(4) | ND(3.9) | ND(0.0375) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(730) | ND(1.86) | ND(0.0375) | ND(0.0346) | ND(3.7) | ND(1.92) | ND(11.1) | ND(1.82) | ND(1.86) | ND(0.415) | ND(0.353) | ND(777) | ND(1020) | ND(759) | ND(360) | ND(77.9) | ND(38.3) | ND(0.83) | ND(7.49) | ND(7.78) | ND(4) | ND(3.9) | ND(0.0375) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(730) | ND(1.86) | ND(0.0375) | ND(0.0346) | ND(3.7) | ND(1.92) | ND(11.1) | ND(1.82) | ND(1.86) | ND(0.415) | ND(0.353) | ND(777) | ND(1020) | ND(759) | ND(360) | ND(77.9) | ND(38.3) | ND(0.83) | ND(7.49) | ND(7.78) | ND(4) | ND(3.9) | ND(0.0375) |
| | | | | | | **1500** | **11.21** | 0.518 | 0.193 | **42.4** | **17.18** | **182.7** | **30.3** | 9.2 | 2.239 | 3.89 | **12,200** | **8,570** | **5,390** | **1,030** | **315** | **639** | **13.08** | **65.2** | **130.2** | **37.8** | **32.4** | 0.148 |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-54 (2'-3') | SB-55 (0'-1') | SB-55 (1'-2') | SB-55 (2'-3') | SB-55 (3'-4') | SB-55 (4'-5') | SB-55 (5'-6') | SB-56 (0'-1') | SB-56 (1'-2') | SB-56 (2'-3') | SB-56A (2'-3') | SB-56 (3'-4') | SB-56A (3'-4') | SB-56 (4'-5') | SB-56 (5'-6') | SB-57 (0'-1') | SB-57 (1'-2') | SB-57 (2'-3') | SB-58 (0'-1') | SB-58 (1'-2') | SB-58 (2'-3') | SB-59 (0'-1') | SB-59 (1'-2') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 5/20/2010 | 10/20/2009 | 5/20/2010 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0455) | ND(434) | ND(7.8) | ND(3.44) | ND(7.16) | ND(3.64) | ND(3.68) | ND(398) | ND(847) | ND(199) | ND(208) | ND(0.351) | ND(3.65) | ND(0.0354) | ND(0.0393) | ND(1.86) | ND(0.0395) | ND(0.0362) | ND(19.6) | ND(0.22) | ND(0.0344) | ND(3.58) | ND(4) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0455) | ND(434) | ND(7.8) | ND(3.44) | ND(7.16) | ND(3.64) | ND(3.68) | ND(398) | ND(847) | ND(199) | ND(208) | ND(0.351) | ND(3.65) | ND(0.0354) | ND(0.0393) | ND(1.86) | ND(0.0395) | ND(0.0362) | ND(19.6) | ND(0.22) | ND(0.0344) | ND(3.58) | ND(4) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0455) | ND(434) | ND(7.8) | ND(3.44) | ND(7.16) | ND(3.64) | ND(3.68) | ND(398) | ND(847) | ND(199) | ND(208) | ND(0.351) | ND(3.65) | ND(0.0354) | ND(0.0393) | ND(1.86) | ND(0.0395) | ND(0.0362) | ND(19.6) | ND(0.22) | ND(0.0344) | ND(3.58) | ND(4) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0455) | ND(434) | ND(7.8) | ND(3.44) | ND(7.16) | ND(3.64) | ND(3.68) | ND(398) | ND(847) | ND(199) | ND(208) | ND(0.351) | ND(3.65) | ND(0.0354) | ND(0.0393) | ND(1.86) | ND(0.0395) | ND(0.0362) | ND(19.6) | ND(0.22) | ND(0.0344) | ND(3.58) | ND(4) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0455) | **2,060** | **80.2** | **22.5** | **99.4** | **27.6** | **31.2** | **2,130** | **4,380** | **773** | **1520** | 1.92 | **10.1** | 0.298 | 0.405 | 7.12 | ND(0.0395) | ND(0.0362) | **178** | 1.4 | ND(0.0344) | **17.8** | **39** |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 0.191 | **1,580** | **63.8** | **22.5** | **76.5** | **19.9** | **18.7** | **827** | **2,340** | **291** | **536** | ND(0.351) | 4.23 | 0.124 | 0.146 | 3.22 | ND(0.0395) | ND(0.0362) | **89.6** | 2.14 | ND(0.0344) | ND(3.58) | **17.4** |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0455) | ND(434) | ND(7.8) | ND(3.44) | ND(7.16) | ND(3.64) | ND(3.68) | ND(398) | ND(847) | ND(199) | ND(208) | ND(0.351) | ND(3.65) | ND(0.0354) | ND(0.0393) | ND(1.86) | ND(0.0395) | ND(0.0362) | ND(19.6) | ND(0.22) | ND(0.0344) | ND(3.58) | ND(4) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0455) | ND(434) | ND(7.8) | ND(3.44) | ND(7.16) | ND(3.64) | ND(3.68) | ND(398) | ND(847) | ND(199) | ND(208) | ND(0.351) | ND(3.65) | ND(0.0354) | ND(0.0393) | ND(1.86) | ND(0.0395) | ND(0.0362) | ND(19.6) | ND(0.22) | ND(0.0344) | ND(3.58) | ND(4) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0455) | ND(434) | ND(7.8) | ND(3.44) | ND(7.16) | ND(3.64) | ND(3.68) | ND(398) | ND(847) | ND(199) | ND(208) | ND(0.351) | ND(3.65) | ND(0.0354) | ND(0.0393) | ND(1.86) | ND(0.0395) | ND(0.0362) | ND(19.6) | ND(0.22) | ND(0.0344) | ND(3.58) | ND(4) |
| | | | | | | 0.191 | **3,640** | **144** | **45** | **176** | **48** | **50** | **2,957** | **6,720** | **1,064** | **2,056** | 1.92 | **14.33** | 0.422 | 0.551 | **10.34** | ND(0.0395) | ND(0.0362) | **267.6** | 3.54 | ND(0.0344) | **17.8** | **56.4** |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-59 (2'-3') | SB-59 (3'-4') | SB-59 (4'-5') | SB-59 (5'-6') | SB-60 (0'-1') | SB-60A (0"-3") | SB-60A (3"-6") | SB-60A (6"-9") | SB-60A (9"-12") | SB-60 (1'-2') | SB-60 (2'-3') | SB-61 (0'-1') | SB-61 (1'-2') | SB-61 (2'-3') | SB-61 (3'-4') | SB-61 (4'-5') | SB-61 (5'-6') | SB-61 (6'-7') | SB-61 (7'-8') | SB-62 (0'-1') | SB-62 (1'-2') | SB-62 (2'-3') | SB-62 (3'-4') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 10/20/2009 | 5/18/2010 | 5/18/2010 | 5/18/2010 | 5/18/2010 | 10/20/2009 | 10/20/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(7.9) | ND(45) | ND(0.0367) | ND(0.038) | ND(0.761) | ND(15.4) | ND(15) | ND(7.27) | ND(7.15) | ND(0.388) | ND(0.0341) | ND(0.0369) | ND(0.035) | ND(0.035) | ND(0.0353) | ND(0.0358) | ND(0.0347) | ND(0.0348) | ND(0.032) | ND(0.0739) | ND(0.0362) | ND(0.0353) | ND(0.0368) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(7.9) | ND(45) | ND(0.0367) | ND(0.038) | ND(0.761) | ND(15.4) | ND(15) | ND(7.27) | ND(7.15) | ND(0.388) | ND(0.0341) | ND(0.0369) | ND(0.035) | ND(0.035) | ND(0.0353) | ND(0.0358) | ND(0.0347) | ND(0.0348) | ND(0.032) | ND(0.0739) | ND(0.0362) | ND(0.0353) | ND(0.0368) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(7.9) | ND(45) | ND(0.0367) | ND(0.038) | ND(0.761) | ND(15.4) | ND(15) | ND(7.27) | ND(7.15) | ND(0.388) | ND(0.0341) | ND(0.0369) | ND(0.035) | ND(0.035) | ND(0.0353) | ND(0.0358) | ND(0.0347) | ND(0.0348) | ND(0.032) | ND(0.0739) | ND(0.0362) | ND(0.0353) | ND(0.0368) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(7.9) | ND(45) | ND(0.0367) | ND(0.038) | ND(0.761) | ND(15.4) | ND(15) | ND(7.27) | ND(7.15) | ND(0.388) | ND(0.0341) | ND(0.0369) | ND(0.035) | ND(0.035) | ND(0.0353) | ND(0.0358) | ND(0.0347) | ND(0.0348) | ND(0.032) | ND(0.0739) | ND(0.0362) | ND(0.0353) | ND(0.0368) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | **40.9** | **252** | 0.364 | 0.54 | **11.3** | **73.4** | **109** | **62.7** | **68.2** | 1.69 | ND(0.0341) | ND(0.0369) | ND(0.035) | ND(0.035) | ND(0.0353) | ND(0.0358) | ND(0.0347) | 0.0496 | 0.135 | ND(0.0739) | ND(0.0362) | ND(0.0353) | ND(0.0368) |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | **17.6** | **86.9** | ND(0.0367) | ND(0.038) | 7.43 | **48.5** | **73.4** | **34** | **33.9** | 1.12 | ND(0.0341) | ND(0.0369) | ND(0.035) | ND(0.035) | ND(0.0353) | ND(0.0358) | ND(0.0347) | ND(0.0348) | ND(0.032) | ND(0.0739) | ND(0.0362) | ND(0.0353) | ND(0.0368) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(7.9) | ND(45) | ND(0.0367) | ND(0.038) | ND(0.761) | ND(15.4) | ND(15) | ND(7.27) | ND(7.15) | ND(0.388) | ND(0.0341) | ND(0.0369) | ND(0.035) | ND(0.035) | ND(0.0353) | ND(0.0358) | ND(0.0347) | ND(0.0348) | ND(0.032) | ND(0.0739) | ND(0.0362) | ND(0.0353) | ND(0.0368) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(7.9) | ND(45) | ND(0.0367) | ND(0.038) | ND(0.761) | ND(15.4) | ND(15) | ND(7.27) | ND(7.15) | ND(0.388) | ND(0.0341) | ND(0.0369) | ND(0.035) | ND(0.035) | ND(0.0353) | ND(0.0358) | ND(0.0347) | ND(0.0348) | ND(0.032) | ND(0.0739) | ND(0.0362) | ND(0.0353) | ND(0.0368) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(7.9) | ND(45) | ND(0.0367) | ND(0.038) | ND(0.761) | ND(15.4) | ND(15) | ND(7.27) | ND(7.15) | ND(0.388) | ND(0.0341) | ND(0.0369) | ND(0.035) | ND(0.035) | ND(0.0353) | ND(0.0358) | ND(0.0347) | ND(0.0348) | ND(0.032) | ND(0.0739) | ND(0.0362) | ND(0.0353) | ND(0.0368) |
| | | | | | | **58.5** | **338.9** | 0.364 | 0.54 | **18.73** | **121.9** | **182.4** | **96.7** | **102.1** | 2.81 | ND(0.0341) | ND(0.0369) | ND(0.035) | ND(0.035) | ND(0.0353) | ND(0.0358) | ND(0.0347) | 0.0496 | 0.135 | ND(0.0739) | ND(0.0362) | ND(0.0353) | ND(0.0368) |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-62 (4'-5') | SB-62 (5'-6') | SB-62 (7'-8') | SB-63 (0'-1') | SB-63 (1'-2') | SB-63 (2'-3') | SB-63 (3'-4') | SB-63 (4'-5') | SB-63 (5'-6') | SB-63 (6'-7') | SB-63 (7'-8') | SB-64 (0'-1') | SB-64 (1'-2') | SB-64 (2'-3') | SB-65 (0'-1') | SB-65 (1'-2') | SB-65 (2'-3') | SB-65 (3'-4') | SB-65 (4'-5') | SB-65 (5'-6') | SB-66 (0'-1') | SB-66 (1'-2') | SB-66 (2'-3') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0364) | ND(0.18) | ND(0.207) | ND(0.0356) | ND(0.0353) | ND(0.0353) | ND(0.0378) | ND(0.0369) | ND(0.0701) | ND(0.0371) | ND(0.0355) | ND(4.21) | ND(0.739) | ND(0.203) | ND(0.0351) | ND(0.036) | ND(3.89) | ND(4.9) | ND(38.8) | ND(118) | ND(0.771) | ND(0.753) | ND(0.779) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0364) | ND(0.18) | ND(0.207) | ND(0.0356) | ND(0.0353) | ND(0.0353) | ND(0.0378) | ND(0.0369) | ND(0.0701) | ND(0.0371) | ND(0.0355) | ND(4.21) | ND(0.739) | ND(0.203) | ND(0.0351) | ND(0.036) | ND(3.89) | ND(4.9) | ND(38.8) | ND(118) | ND(0.771) | ND(0.753) | ND(0.779) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0364) | ND(0.18) | ND(0.207) | ND(0.0356) | ND(0.0353) | ND(0.0353) | ND(0.0378) | ND(0.0369) | ND(0.0701) | ND(0.0371) | ND(0.0355) | ND(4.21) | ND(0.739) | ND(0.203) | ND(0.0351) | ND(0.036) | ND(3.89) | ND(4.9) | ND(38.8) | ND(118) | ND(0.771) | ND(0.753) | ND(0.779) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0364) | ND(0.18) | ND(0.207) | ND(0.0356) | ND(0.0353) | ND(0.0353) | ND(0.0378) | ND(0.0369) | ND(0.0701) | ND(0.0371) | ND(0.0355) | ND(4.21) | ND(0.739) | ND(0.203) | ND(0.0351) | ND(0.036) | ND(3.89) | ND(4.9) | ND(38.8) | ND(118) | ND(0.771) | ND(0.753) | ND(0.779) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0364) | ND(0.18) | ND(0.207) | ND(0.0356) | ND(0.0353) | ND(0.0353) | ND(0.0378) | ND(0.0369) | ND(0.0701) | ND(0.0371) | ND(0.0355) | **35** | 4.25 | 0.915 | 0.0638 | ND(0.036) | **21.1** | **19.1** | **114** | **1,790** | 3.45 | 5.63 | 6.17 |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0364) | ND(0.18) | ND(0.207) | ND(0.0356) | ND(0.0353) | ND(0.0353) | ND(0.0378) | ND(0.0369) | ND(0.0701) | ND(0.0371) | ND(0.0355) | **32.3** | 4.76 | 1.51 | 0.0568 | ND(0.036) | **12** | **15.6** | **63.4** | **710** | 4.19 | 5.66 | 6.07 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0364) | ND(0.18) | ND(0.207) | ND(0.0356) | ND(0.0353) | ND(0.0353) | ND(0.0378) | ND(0.0369) | ND(0.0701) | ND(0.0371) | ND(0.0355) | ND(4.21) | ND(0.739) | ND(0.203) | ND(0.0351) | ND(0.036) | ND(3.89) | ND(4.9) | ND(38.8) | ND(118) | ND(0.771) | ND(0.753) | ND(0.779) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0364) | ND(0.18) | ND(0.207) | ND(0.0356) | ND(0.0353) | ND(0.0353) | ND(0.0378) | ND(0.0369) | ND(0.0701) | ND(0.0371) | ND(0.0355) | ND(4.21) | ND(0.739) | ND(0.203) | ND(0.0351) | ND(0.036) | ND(3.89) | ND(4.9) | ND(38.8) | ND(118) | ND(0.771) | ND(0.753) | ND(0.779) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0364) | ND(0.18) | ND(0.207) | ND(0.0356) | ND(0.0353) | ND(0.0353) | ND(0.0378) | ND(0.0369) | ND(0.0701) | ND(0.0371) | ND(0.0355) | ND(4.21) | ND(0.739) | ND(0.203) | ND(0.0351) | ND(0.036) | ND(3.89) | ND(4.9) | ND(38.8) | ND(118) | ND(0.771) | ND(0.753) | ND(0.779) |
| | | | | | | ND(0.0364) | ND(0.18) | ND(0.207) | ND(0.0356) | ND(0.0353) | ND(0.0353) | ND(0.0378) | ND(0.0369) | ND(0.0701) | ND(0.0371) | ND(0.0355) | **67.3** | 9.01 | 2.425 | 0.1206 | ND(0.036) | **33.1** | **34.7** | **177.4** | **2,500** | 7.64 | **11.29** | **12.24** |

Notes:

1. BOLD Values Exceed the RIDEM Residential and Industrial Direct Exposure Criteria and the GB Leachability Criteria
2. BOLD Shaded (Yellow) Values are greater than 50 mg/kg (TSCA).
3. "ND" = Not detected above the presented laboratory reporting limit
4. "P" = The relative percent difference between the two columns exceeds the method specific criteria. The higher of the two results is shown.
5. Results qualified as estimated "J" and non-detects estimated "UJ" have field duplicate samples with relative percent differences above acceptance criteria
6. "JL" = Estimated value with potential low bias because sample was extracted after the 14-day holding time
7. The method blank associated with samples qualified with "B", has a concentration above the reporting limit for a specified Aroclor.

# Table 1
## Soil Data - PCBs
## 1 India Street, Providence, Rhode Island

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-66 (3'-4') | SB-67 (0'-1') | SB-67 (1'-2') | SB-67 (2'-3') | SB-67 (3'-4') | SB-68 (0'-1') | SB-68 (1'-2') | SB-68 (2'-3') | SB-69 (0'-1') | SB-69 (1'-2') | SB-69A (12"-15") | SB-69A (15"-18") | SB-69A (18"-21") | SB-69A (21"-24") | SB-69 (2-3') | SB-69 (3'-4') | SB-70 (0'-1') | SB-70 (1'-2') | SB-70 (2'-3') | SB-70 (3'-4') | SB-70 (4'-5') | SB-70 (5'-6') | SB-71 (0'-1') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0353) | ND(11.4) | ND(0.175) | ND(0.648) | ND(0.701) | ND(0.364) | ND(72.9) | ND(0.0355) | ND(0.187) | ND(0.776) | ND(0.191) | ND(0.749) | ND(0.176) | ND(0.03) JL | ND(0.0755) | ND(0.0349) | ND(3.93) | ND(3.97) | ND(0.824) | ND(0.184) | ND(0.18) | ND(0.375) | ND(0.741) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0353) | ND(11.4) | ND(0.175) | ND(0.648) | ND(0.701) | ND(0.364) | ND(72.9) | ND(0.0355) | ND(0.187) | ND(0.776) | ND(0.191) | ND(0.749) | ND(0.176) | ND(0.03) JL | ND(0.0755) | ND(0.0349) | ND(3.93) | ND(3.97) | ND(0.824) | ND(0.184) | ND(0.18) | ND(0.375) | ND(0.741) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0353) | ND(11.4) | ND(0.175) | ND(0.648) | ND(0.701) | ND(0.364) | ND(72.9) | ND(0.0355) | ND(0.187) | ND(0.776) | ND(0.191) | ND(0.749) | ND(0.176) | ND(0.03) JL | ND(0.0755) | ND(0.0349) | ND(3.93) | ND(3.97) | ND(0.824) | ND(0.184) | ND(0.18) | ND(0.375) | ND(0.741) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0353) | ND(11.4) | ND(0.175) | ND(0.648) | ND(0.701) | ND(0.364) | ND(72.9) | ND(0.0355) | ND(0.187) | ND(0.776) | ND(0.191) | ND(0.749) | ND(0.176) | ND(0.03) JL | ND(0.0755) | ND(0.0349) | ND(3.93) | ND(3.97) | ND(0.824) | ND(0.184) | ND(0.18) | ND(0.375) | ND(0.741) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0353) | **54.8** | 1.43 | 3.4 | 1.41 | 0.938 | **562** | 0.357 | 1.88 | 3.66 | 0.618 | 1.87 | ND(0.176) | ND(0.03) JL | 0.226 | ND(0.0349) | **42.1** | **34** | **12.8** | 1.11 | 0.672 | 1.06 | 5.02 |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0353) | **42.3** | 0.724 | 1.97 | ND(0.701) | 0.99 | **432** | 0.276 | 1.8 | 3.12 | 0.53 | 2.37 | 0.251 | 0.365 JL | 0.377 | ND(0.0349) | **25** | **27.9** | 5.96 | 0.775 | 0.53 | 0.747 | 5.35 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0353) | ND(11.4) | ND(0.175) | ND(0.648) | ND(0.701) | ND(0.364) | ND(72.9) | ND(0.0355) | ND(0.187) | ND(0.776) | ND(0.191) | ND(0.749) | ND(0.176) | ND(0.03) JL | 0.13 | ND(0.0349) | ND(3.93) | ND(3.97) | ND(0.824) | ND(0.184) | ND(0.18) | ND(0.375) | ND(0.741) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0353) | ND(11.4) | ND(0.175) | ND(0.648) | ND(0.701) | ND(0.364) | ND(72.9) | ND(0.0355) | ND(0.187) | ND(0.776) | ND(0.191) | ND(0.749) | ND(0.176) | ND(0.03) JL | ND(0.0755) | ND(0.0349) | ND(3.93) | ND(3.97) | ND(0.824) | ND(0.184) | ND(0.18) | ND(0.375) | ND(0.741) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0353) | ND(11.4) | ND(0.175) | ND(0.648) | ND(0.701) | ND(0.364) | ND(72.9) | ND(0.0355) | ND(0.187) | ND(0.776) | ND(0.191) | ND(0.749) | ND(0.176) | ND(0.03) JL | ND(0.0755) | ND(0.0349) | ND(3.93) | ND(3.97) | ND(0.824) | ND(0.184) | ND(0.18) | ND(0.375) | ND(0.741) |
| | | | | | | ND(0.0353) | **97.1** | 2.154 | 5.37 | 2.111 | 1.928 | **994** | 0.633 | 3.68 | 6.78 | 1.148 | 4.24 | 0.251 | 0.365 JL | 0.733 | ND(0.0349) | **67.1** | **61.9** | **18.76** | 1.885 | 1.202 | 1.807 | **10.37** |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-71 (1'-2') | SB-71 (2'-3') | SB-71 (3'-4') | SB-71 (4'-5') | SB-72 (0'-1') | SB-72 (1'-2') | SB-72 (2'-3') | SB-72 (3'-4') | SB-73 (0'-1') | SB-73 (1'-2') | SB-73 (2'-3') | SB-74 (0'-1') | SB-74 (1'-2') | SB-74 (2'-3') | SB-75 (0'-1') | SB-75 (1'-2') | SB-75 (2'-3') | SB-76 (0'-1') | SB-76 (1'-2') | SB-76 (2'-3') | SB-76 (3'-4') | SB-76 (4'-5') | SB-76 (5'-6') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.725) | ND(3.91) | ND(0.0346) | ND(0.0339) | ND(0.196) | ND(0.0377) | ND(0.036) | ND(0.0383) | ND(6.22) | ND(0.21) | ND(0.0353) | ND(0.741) | ND(0.0372) | ND(0.0382) | ND(0.2) | ND(0.0371) | ND(0.0452) | ND(0.0382) | ND(0.0383) | ND(0.0344) | ND(0.036) | ND(0.0341) | ND(0.0355) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.725) | ND(3.91) | ND(0.0346) | ND(0.0339) | ND(0.196) | ND(0.0377) | ND(0.036) | ND(0.0383) | ND(6.22) | ND(0.21) | ND(0.0353) | ND(0.741) | ND(0.0372) | ND(0.0382) | ND(0.2) | ND(0.0371) | ND(0.0452) | ND(0.0382) | ND(0.0383) | ND(0.0344) | ND(0.036) | ND(0.0341) | ND(0.0355) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.725) | ND(3.91) | ND(0.0346) | ND(0.0339) | ND(0.196) | ND(0.0377) | ND(0.036) | ND(0.0383) | ND(6.22) | ND(0.21) | ND(0.0353) | ND(0.741) | ND(0.0372) | ND(0.0382) | ND(0.2) | ND(0.0371) | ND(0.0452) | ND(0.0382) | ND(0.0383) | ND(0.0344) | ND(0.036) | ND(0.0341) | ND(0.0355) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.725) | ND(3.91) | ND(0.0346) | ND(0.0339) | ND(0.196) | ND(0.0377) | ND(0.036) | ND(0.0383) | ND(6.22) | ND(0.21) | ND(0.0353) | ND(0.741) | ND(0.0372) | ND(0.0382) | ND(0.2) | ND(0.0371) | ND(0.0452) | ND(0.0382) | ND(0.0383) | ND(0.0344) | ND(0.036) | ND(0.0341) | ND(0.0355) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 4.59 | **12.1** | 0.0446 | ND(0.0339) | 1.73 | ND(0.0377) | ND(0.036) | 0.0433 | **32.7** | 0.717 | ND(0.0353) | 3.01 | 0.0561 | ND(0.0382) | 0.825 | 0.0587 | ND(0.0452) | 0.287 | 0.257 | ND(0.0344) | ND(0.036) | ND(0.0341) | ND(0.0355) |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 4.1 | ND(3.91) | 0.0432 | ND(0.0339) | 1.35 | ND(0.0377) | ND(0.036) | ND(0.0383) | **21.2** | 0.505 | ND(0.0353) | 2.38 | 0.0598 | ND(0.0382) | 0.761 | 0.0813 | ND(0.0452) | 0.368 | 0.27 | ND(0.0344) | ND(0.036) | ND(0.0341) | ND(0.0355) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.725) | ND(3.91) | ND(0.0346) | ND(0.0339) | ND(0.196) | ND(0.0377) | ND(0.036) | ND(0.0383) | ND(6.22) | ND(0.21) | ND(0.0353) | ND(0.741) | ND(0.0372) | ND(0.0382) | ND(0.2) | 0.0515 | ND(0.0452) | ND(0.0382) | ND(0.0383) | ND(0.0344) | ND(0.036) | ND(0.0341) | ND(0.0355) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.725) | ND(3.91) | ND(0.0346) | ND(0.0339) | ND(0.196) | ND(0.0377) | ND(0.036) | ND(0.0383) | ND(6.22) | ND(0.21) | ND(0.0353) | ND(0.741) | 0.041 | ND(0.0382) | ND(0.2) | ND(0.0371) | ND(0.0452) | ND(0.0382) | ND(0.0383) | ND(0.0344) | ND(0.036) | ND(0.0341) | ND(0.0355) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.725) | ND(3.91) | ND(0.0346) | ND(0.0339) | ND(0.196) | ND(0.0377) | ND(0.036) | ND(0.0383) | ND(6.22) | ND(0.21) | ND(0.0353) | ND(0.741) | ND(0.0372) | ND(0.0382) | ND(0.2) | ND(0.0371) | ND(0.0452) | ND(0.0382) | ND(0.0383) | ND(0.0344) | ND(0.036) | ND(0.0341) | ND(0.0355) |
| | | | | | | 8.69 | **12.1** | 0.0878 | ND(0.0339) | 3.08 | ND(0.0377) | ND(0.036) | 0.0433 | **53.9** | 1.222 | ND(0.0353) | 5.39 | 0.1569 | ND(0.0382) | 1.586 | 0.14 | ND(0.0452) | 0.655 | 0.527 | ND(0.0344) | ND(0.036) | ND(0.0341) | ND(0.0355) |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-77 (0'-1') | SB-77 (1'-2') | SB-77 (2'-3') | SB-77 (3'-4') | SB-77 (4'-5') | SB-77 (5'-6') | SB-78 (0'-1') | SB-78 (1'-2') | SB-78 (2'-3') | SB-78 (3'-4') | SB-78 (4'-5') | SB-78 (5'-6') | SB-79 (0-1') | SB-80 (0-3") | SB-80 (0-1') | SB-80 (1-2') | SB-81 (0-3") | SB-81 (0-1') | SB-81 (1-2') | SB-82 (0"-3") | SB-83 (0"-3") | SB-84 (0'-1') | SB-84 (1'-2') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 12/11/2009 | 5/18/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/18/2010 | 5/18/2010 | 5/18/2010 | 5/18/2010 | 5/18/2010 | 5/19/2010 | 5/19/2010 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0355) | ND(0.037) | ND(0.036) | ND(0.0344) | ND(0.0361) | ND(0.0347) | ND(0.04) | ND(0.0371) | ND(0.0348) | ND(0.0363) | ND(0.0356) | ND(0.0366) | ND(0.139) | ND(0.12) | ND(0.91) | ND(0.0341) | ND(0.726) | ND(0.139) | ND(0.751) | ND(0.0351) | ND(0.0361) | ND(19.2) | ND(7.54) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0355) | ND(0.037) | ND(0.036) | ND(0.0344) | ND(0.0361) | ND(0.0347) | ND(0.04) | ND(0.0371) | ND(0.0348) | ND(0.0363) | ND(0.0356) | ND(0.0366) | ND(0.139) | ND(0.12) | ND(0.91) | ND(0.0341) | ND(0.726) | ND(0.139) | ND(0.751) | ND(0.0351) | ND(0.0361) | ND(19.2) | ND(7.54) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0355) | ND(0.037) | ND(0.036) | ND(0.0344) | ND(0.0361) | ND(0.0347) | ND(0.04) | ND(0.0371) | ND(0.0348) | ND(0.0363) | ND(0.0356) | ND(0.0366) | ND(0.139) | ND(0.12) | ND(0.91) | ND(0.0341) | ND(0.726) | ND(0.139) | ND(0.751) | ND(0.0351) | ND(0.0361) | ND(19.2) | ND(7.54) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0355) | ND(0.037) | ND(0.036) | ND(0.0344) | ND(0.0361) | ND(0.0347) | ND(0.04) | ND(0.0371) | ND(0.0348) | ND(0.0363) | ND(0.0356) | ND(0.0366) | ND(0.139) | ND(0.12) | ND(0.91) | ND(0.0341) | ND(0.726) | ND(0.139) | ND(0.751) | ND(0.0351) | ND(0.0361) | ND(19.2) | ND(7.54) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0355) | ND(0.037) | ND(0.036) | ND(0.0344) | ND(0.0361) | ND(0.0347) | ND(0.04) | ND(0.0371) | ND(0.0348) | ND(0.0363) | ND(0.0356) | ND(0.0366) | ND(0.139) | 1.86 | 3.26 | 0.0438 | 4.69 | 1.00 | 3.47 | ND(0.0351) | 0.0979 | **213** | **80.8** |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0355) | ND(0.037) | ND(0.036) | ND(0.0344) | ND(0.0361) | ND(0.0347) | ND(0.04) | ND(0.0371) | ND(0.0348) | ND(0.0363) | ND(0.0356) | ND(0.0366) | ND(0.139) | 1.86 | 4.13 | 0.0425 | 3.46 | 0.987 | 4.41 | 0.042 P | 0.0981 | **91** | **34.3** |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0355) | ND(0.037) | ND(0.036) | ND(0.0344) | ND(0.0361) | ND(0.0347) | ND(0.04) | ND(0.0371) | ND(0.0348) | ND(0.0363) | ND(0.0356) | ND(0.0366) | ND(0.139) | ND(0.12) | ND(0.91) | ND(0.0341) | ND(0.726) | ND(0.139) | ND(0.751) | ND(0.0351) | ND(0.0361) | ND(19.2) | ND(7.54) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0355) | ND(0.037) | ND(0.036) | ND(0.0344) | ND(0.0361) | ND(0.0347) | ND(0.04) | ND(0.0371) | ND(0.0348) | ND(0.0363) | ND(0.0356) | ND(0.0366) | ND(0.139) | ND(0.12) | ND(0.91) | ND(0.0341) | ND(0.726) | ND(0.139) | ND(0.751) | ND(0.0351) | ND(0.0361) | ND(19.2) | ND(7.54) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0355) | ND(0.037) | ND(0.036) | ND(0.0344) | ND(0.0361) | ND(0.0347) | ND(0.04) | ND(0.0371) | ND(0.0348) | ND(0.0363) | ND(0.0356) | ND(0.0366) | ND(0.139) | ND(0.12) | ND(0.91) | ND(0.0341) | ND(0.726) | ND(0.139) | ND(0.751) | ND(0.0351) | ND(0.0361) | ND(19.2) | ND(7.54) |
| | | | | | | ND(0.0355) | ND(0.037) | ND(0.036) | ND(0.0344) | ND(0.0361) | ND(0.0347) | ND(0.04) | ND(0.0371) | ND(0.0348) | ND(0.0363) | ND(0.0356) | ND(0.0366) | ND(0.139) | 3.72 | 7.39 | 0.0863 | 8.15 | 1.987 | 7.88 | 0.042 | 0.196 | **304** | **115.1** |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-84 (2'-3') | SB-84 (3'-4') | SB-84 (4'-5') | SB-85 (0'-1') | SB-85 (1'-2') | SB-85 (2'-3') | SB-85 (3'-4') | SB-86 (0'-1') | SB-86 (1'-2') | SB-86 (2'-3') | SB-87 (0'-1') | SB-87 (1'-2') | SB-87-DUP (1'-2') | SB-87 (2'-3') | SB-87 (3'-4') | SB-88 (0'-1') | SB-88 (1'-2') | SB-88 (2'-3') | SB-88 (3'-4') | SB-89 (0'-1') | SB-89 (1'-2') | SB-89 (2'-3') | SB-89 (3'-4') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.365) | ND(0.771) | ND(0.0361) | ND(7.67) | ND(19.4) | ND(0.184) | ND(0.0402) | ND(8.17) | ND(0.372) | ND(0.0348) | ND(1.44) | ND(0.807) | ND(0.375) | ND(0.0377) | ND(0.036) | ND(4.04) | ND(0.747) | ND(0.0366) | ND(0.0437) | ND(8.13) | ND(26.2) | ND(4.48) | ND(0.0419) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.365) | ND(0.771) | ND(0.0361) | ND(7.67) | ND(19.4) | ND(0.184) | ND(0.0402) | ND(8.17) | ND(0.372) | ND(0.0348) | ND(1.44) | ND(0.807) | ND(0.375) | ND(0.0377) | ND(0.036) | ND(4.04) | ND(0.747) | ND(0.0366) | ND(0.0437) | ND(8.13) | ND(26.2) | ND(4.48) | ND(0.0419) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.365) | ND(0.771) | ND(0.0361) | ND(7.67) | ND(19.4) | ND(0.184) | ND(0.0402) | ND(8.17) | ND(0.372) | ND(0.0348) | ND(1.44) | ND(0.807) | ND(0.375) | ND(0.0377) | ND(0.036) | ND(4.04) | ND(0.747) | ND(0.0366) | ND(0.0437) | ND(8.13) | ND(26.2) | ND(4.48) | ND(0.0419) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.365) | ND(0.771) | ND(0.0361) | ND(7.67) | ND(19.4) | ND(0.184) | ND(0.0402) | ND(8.17) | ND(0.372) | ND(0.0348) | ND(1.44) | ND(0.807) | ND(0.375) | ND(0.0377) | ND(0.036) | ND(4.04) | ND(0.747) | ND(0.0366) | ND(0.0437) | ND(8.13) | ND(26.2) | ND(4.48) | ND(0.0419) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 3.77 | 7.08 | 0.146 | **79.9** | **69.3** | 0.704 | 0.562 | **56.9** | 1.73 | ND(0.0348) | **17.6** | 6.79 | 2.5 | 0.444 | ND(0.036) | 7.25 | 4.2 | 0.268 | 0.199 | **32.2** | **84.7** | **32.4** | 0.18 |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | ND(0.365) | ND(0.771) | 0.139 | **50.4** | **30.1** | 0.297 | 0.336 | **31.9** | 1.05 | ND(0.0348) | **14.8** | 5.86 | 1.93 | 0.422 | ND(0.036) | ND(4.04) | 2.93 P | 0.0902 | ND(0.0437) | **17.5** | **48** | **15.4** | 0.148 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.365) | ND(0.771) | ND(0.0361) | ND(7.67) | ND(19.4) | ND(0.184) | ND(0.0402) | ND(8.17) | ND(0.372) | ND(0.0348) | ND(1.44) | ND(0.807) | ND(0.375) | ND(0.0377) | ND(0.036) | ND(4.04) | ND(0.747) | ND(0.0366) | ND(0.0437) | ND(8.13) | ND(26.2) | ND(4.48) | ND(0.0419) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.365) | ND(0.771) | ND(0.0361) | ND(7.67) | ND(19.4) | ND(0.184) | ND(0.0402) | ND(8.17) | ND(0.372) | ND(0.0348) | ND(1.44) | ND(0.807) | ND(0.375) | ND(0.0377) | ND(0.036) | ND(4.04) | ND(0.747) | ND(0.0366) | ND(0.0437) | ND(8.13) | ND(26.2) | ND(4.48) | ND(0.0419) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.365) | ND(0.771) | ND(0.0361) | ND(7.67) | ND(19.4) | ND(0.184) | ND(0.0402) | ND(8.17) | ND(0.372) | ND(0.0348) | ND(1.44) | ND(0.807) | ND(0.375) | ND(0.0377) | ND(0.036) | ND(4.04) | ND(0.747) | ND(0.0366) | ND(0.0437) | ND(8.13) | ND(26.2) | ND(4.48) | ND(0.0419) |
| | | | | | | 3.77 | 7.08 | 0.285 | **130.3** | **99.4** | 1.001 | 0.898 | **88.8** | 2.78 | ND(0.0348) | **32.4** | **12.65** | 4.43 | 0.866 | ND(0.036) | 7.25 | 7.13 | 0.3582 | 0.199 | **49.7** | **132.7** | **47.8** | 0.328 |

Notes:

1. BOLD Values Exceed the RIDEM Residential and Industrial Direct Exposure Criteria and the GB Leachability Criteria
2. BOLD Shaded (Yellow) Values are greater than 50 mg/kg (TSCA).
3. "ND" = Not detected above the presented laboratory reporting limit
4. "P" = The relative percent difference between the two columns exceeds the method specific criteria. The higher of the two results is shown.
5. Results qualified as estimated "J" and non-detects estimated "UJ" have field duplicate samples with relative percent differences above acceptance criteria
6. "JL" = Estimated value with potential low bias because sample was extracted after the 14-day holding time
7. The method blank associated with samples qualified with "B", has a concentration above the reporting limit for a specified Aroclor.

# Table 1
## Soil Data - PCBs
## 1 India Street, Providence, Rhode Island

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-90 (0'-1') | SB-90 (1'-2') | SB-91 (0'-1') | SB-91 (1'-2') | SB-92 (0'-1') | SB-92 (1'-2') | SB-93 (0'-1') | SB-93 (1'-2') | SB-93 (2'-3') | SB-94 (0'-1') | SB-94 (1'-2') | SB-95 (0'-1') | SB-95 (1'-2') | SB-95 (2'-3') | SB-96 (0'-1') | SB-96 (1'-2') | SB-96 (2'-3') | SB-96 (3'-4') | SB-97 (0'-1') | SB-98 (0'-1') | SB-98 (1'-2') | SB-98 (2'-3') | SB-99 (0'-1') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(1.85) | ND(0.0373) | ND(3.32) | ND(0.594) | ND(0.449) | ND(0.186) | ND(9.45) | ND(2.33) | ND(0.184) | ND(0.193) | ND(0.0366) | ND(1.36) | ND(1.89) | ND(0.034) | ND(5.76) | ND(0.718) | ND(0.0381) | ND(0.0362) | ND(0.183) | ND(3.18) | ND(0.0372) | ND(0.0388) | ND(4.05) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(1.85) | ND(0.0373) | ND(3.32) | ND(0.594) | ND(0.449) | ND(0.186) | ND(9.45) | ND(2.33) | ND(0.184) | ND(0.193) | ND(0.0366) | ND(1.36) | ND(1.89) | ND(0.034) | ND(5.76) | ND(0.718) | ND(0.0381) | ND(0.0362) | ND(0.183) | ND(3.18) | ND(0.0372) | ND(0.0388) | ND(4.05) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(1.85) | ND(0.0373) | ND(3.32) | ND(0.594) | ND(0.449) | ND(0.186) | ND(9.45) | ND(2.33) | ND(0.184) | ND(0.193) | ND(0.0366) | ND(1.36) | ND(1.89) | ND(0.034) | ND(5.76) | ND(0.718) | ND(0.0381) | ND(0.0362) | ND(0.183) | ND(3.18) | ND(0.0372) | ND(0.0388) | ND(4.05) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(1.85) | ND(0.0373) | ND(3.32) | ND(0.594) | ND(0.449) | ND(0.186) | ND(9.45) | ND(2.33) | ND(0.184) | ND(0.193) | ND(0.0366) | ND(1.36) | ND(1.89) | ND(0.034) | ND(5.76) | ND(0.718) | ND(0.0381) | ND(0.0362) | ND(0.183) | ND(3.18) | ND(0.0372) | ND(0.0388) | ND(4.05) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 5.16 | ND(0.0373) | 8.72 | 1.54 | 1.19 | ND(0.186) | **22.4** | 4.95 | 0.384 | 0.697 | 0.0676 P | 4.44 | 4.61 | ND(0.034) | **13.6** | 3.82 | ND(0.0381) | ND(0.0362) | 0.653 | 8.12 | 0.665 | ND(0.0388) | **59.4** |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 3.87 | ND(0.0373) | 9.51 | 1.90 | 0.914 | 0.534 P | **19.8** | 4.08 | 0.32 | 0.632 | 0.0516 | 4.24 | 3.77 | ND(0.034) | **10.1** | 2.69 | ND(0.0381) | ND(0.0362) | 0.403 | 7.64 | 0.417 | ND(0.0388) | **34.9** |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(1.85) | ND(0.0373) | ND(3.32) | ND(0.594) | ND(0.449) | ND(0.186) | ND(9.45) | ND(2.33) | ND(0.184) | ND(0.193) | ND(0.0366) | ND(1.36) | ND(1.89) | ND(0.034) | ND(5.76) | ND(0.718) | ND(0.0381) | ND(0.0362) | ND(0.183) | ND(3.18) | ND(0.0372) | ND(0.0388) | ND(4.05) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(1.85) | ND(0.0373) | ND(3.32) | ND(0.594) | ND(0.449) | ND(0.186) | ND(9.45) | ND(2.33) | ND(0.184) | ND(0.193) | ND(0.0366) | ND(1.36) | ND(1.89) | ND(0.034) | ND(5.76) | ND(0.718) | ND(0.0381) | ND(0.0362) | ND(0.183) | ND(3.18) | ND(0.0372) | ND(0.0388) | ND(4.05) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(1.85) | ND(0.0373) | ND(3.32) | ND(0.594) | ND(0.449) | ND(0.186) | ND(9.45) | ND(2.33) | ND(0.184) | ND(0.193) | ND(0.0366) | ND(1.36) | ND(1.89) | ND(0.034) | ND(5.76) | ND(0.718) | ND(0.0381) | ND(0.0362) | ND(0.183) | ND(3.18) | ND(0.0372) | ND(0.0388) | ND(4.05) |
| | | | | | | 9.03 | ND(0.0373) | **18.23** | 3.44 | 2.104 | 0.534 | **42.2** | 9.03 | 0.704 | 1.329 | 0.1192 | 8.68 | 8.38 | ND(0.034) | **23.7** | 6.51 | ND(0.0381) | ND(0.0362) | 1.056 | **15.76** | 1.082 | ND(0.0388) | **94.3** |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-99 (1'-2') | SB-99 (2'-3') | SB-100 (0'-1') | SB-100 (1'-2') | SB-101 (0"-3") | SB-102 (0'-1') | SB-102-DUP (0'-1') | SB-102 (1'-2') | SB-102 (2'-3') | SB-103 (0'-1') | SB-103 (1'-2') | SB-103 (2'-3') | SB-104 (0'-1') | SB-104 (1'-2') | SB-104 (2'-3') | SB-105 (0'-1') | SB-105 (1'-2') | SB-105 (2'-3') | SB-106 (0'-1') | SB-106 (1'-2') | SB-106 (2'-3') | SB-107 (0'-1') | SB-107 (1'-2') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(1.97) | ND(0.373) | ND(4.18) | ND(0.38) | ND(0.0347) | ND(20) | ND(7.95) | ND(0.69) | ND(0.0372) | ND(3.73) | ND(7.73) | ND(0.189) | ND(7.42) | ND(3.58) JL | ND(0.39) JL | ND(0.761) | ND(0.041) | ND(0.0359) | ND(0.187) | ND(0.0722) | ND(0.0328) | ND(3.94) | ND(0.945) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(1.97) | ND(0.373) | ND(4.18) | ND(0.38) | ND(0.0347) | ND(20) | ND(7.95) | ND(0.69) | ND(0.0372) | ND(3.73) | ND(7.73) | ND(0.189) | ND(7.42) | ND(3.58) JL | ND(0.39) JL | ND(0.761) | ND(0.041) | ND(0.0359) | ND(0.187) | ND(0.0722) | ND(0.0328) | ND(3.94) | ND(0.945) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(1.97) | ND(0.373) | ND(4.18) | ND(0.38) | ND(0.0347) | ND(20) | ND(7.95) | ND(0.69) | ND(0.0372) | ND(3.73) | ND(7.73) | ND(0.189) | ND(7.42) | ND(3.58) JL | ND(0.39) JL | ND(0.761) | ND(0.041) | ND(0.0359) | ND(0.187) | ND(0.0722) | ND(0.0328) | ND(3.94) | ND(0.945) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(1.97) | ND(0.373) | ND(4.18) | ND(0.38) | ND(0.0347) | ND(20) | ND(7.95) | ND(0.69) | ND(0.0372) | ND(3.73) | ND(7.73) | ND(0.189) | ND(7.42) | ND(3.58) JL | ND(0.39) JL | ND(0.761) | ND(0.041) | ND(0.0359) | ND(0.187) | ND(0.0722) | ND(0.0328) | ND(3.94) | ND(0.945) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 8.4 | 2.27 | **28.6** | 1.91 | ND(0.0347) | **78.2** | **77** | 2.35 | 0.0471 | **18.1** | **13.6** | 0.441 | **59.5** | 6.46 JL | 0.99 JL | 4.05 | 0.120 | 0.0844 P | 0.368 | 0.114 | ND(0.0328) | **13.8** | 2.39 |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 3.26 | 0.867 | **24.6** | 1.2 | ND(0.0347) | **48.3** | **41.7** | 2.18 | 0.0746 | **12.7** | 7.92 | 0.312 | **36.5** | 4.78 JL | 0.627 JL | 3.86 | 0.212 | 0.0497 | 0.529 | 0.123 | ND(0.0328) | **14.6** | 1.02 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(1.97) | ND(0.373) | ND(4.18) | ND(0.38) | ND(0.0347) | ND(20) | ND(7.95) | ND(0.69) | ND(0.0372) | ND(3.73) | ND(7.73) | ND(0.189) | ND(7.42) | ND(3.58) JL | ND(0.39) JL | ND(0.761) | ND(0.041) | ND(0.0359) | ND(0.187) | ND(0.0722) | ND(0.0328) | ND(3.94) | ND(0.945) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(1.97) | ND(0.373) | ND(4.18) | ND(0.38) | ND(0.0347) | ND(20) | ND(7.95) | ND(0.69) | ND(0.0372) | ND(3.73) | ND(7.73) | ND(0.189) | ND(7.42) | ND(3.58) JL | ND(0.39) JL | ND(0.761) | ND(0.041) | ND(0.0359) | ND(0.187) | ND(0.0722) | ND(0.0328) | ND(3.94) | ND(0.945) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(1.97) | ND(0.373) | ND(4.18) | ND(0.38) | ND(0.0347) | ND(20) | ND(7.95) | ND(0.69) | ND(0.0372) | ND(3.73) | ND(7.73) | ND(0.189) | ND(7.42) | ND(3.58) JL | ND(0.39) JL | ND(0.761) | ND(0.041) | ND(0.0359) | ND(0.187) | ND(0.0722) | ND(0.0328) | ND(3.94) | ND(0.945) |
| | | | | | | **11.66** | 3.137 | **53.2** | 3.11 | ND(0.0347) | **126.5** | **118.7** | 4.53 | 0.1217 | **30.8** | **21.52** | 0.753 | **96** | **11.24 JL** | 1.617 JL | 7.91 | 0.332 | 0.0497 | 0.897 | 0.237 | ND(0.0328) | **28.4** | 3.41 |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-107 (2'-3') | SB-107 (3'-4') | SB-107 (4'-5') | SB-107 (5'-6') | SB-108 (0'-1') | SB-108-DUP (0'-1') | SB-108 (1'-2') | SB-108 (2'-3') | SB-108 (3'-4') | SB-108 (4'-5') | SB-108 (5'-6') | SB-109 (0'-1') | SB-109 (1'-2') | SB-109-DUP (1'-2') | SB-110 (0'-1') | SB-110 (1'-2') | SB-111 (0'-1') | SB-111 (1'-2') | SB-111 (2'-3') | SB-111 (3'-4') | SB-111 (4'-5') | SB-111 (5'-6') | SB-111 (6'-7') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(7.13) | ND(7.01) | ND(4.15) | ND(38.5) | ND(1.88) | ND(1.96) | ND(1.96) | ND(0.34) JL | ND(0.684) | ND(1.78) | ND(18.8) | ND(3.92) | ND(0.184) | ND(0.186) | ND(1.83) | ND(0.0356) | ND(93.4) | ND(6.98) | ND(35.8) | ND(0.163) | ND(3.4) | ND(0.373) | ND(0.0364) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(7.13) | ND(7.01) | ND(4.15) | ND(38.5) | ND(1.88) | ND(1.96) | ND(1.96) | ND(0.34) JL | ND(0.684) | ND(1.78) | ND(18.8) | ND(3.92) | ND(0.184) | ND(0.186) | ND(1.83) | ND(0.0356) | ND(93.4) | ND(6.98) | ND(35.8) | ND(0.163) | ND(3.4) | ND(0.373) | ND(0.0364) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(7.13) | ND(7.01) | ND(4.15) | ND(38.5) | ND(1.88) | ND(1.96) | ND(1.96) | ND(0.34) JL | ND(0.684) | ND(1.78) | ND(18.8) | ND(3.92) | ND(0.184) | ND(0.186) | ND(1.83) | ND(0.0356) | ND(93.4) | ND(6.98) | ND(35.8) | ND(0.163) | ND(3.4) | ND(0.373) | ND(0.0364) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(7.13) | ND(7.01) | ND(4.15) | ND(38.5) | ND(1.88) | ND(1.96) | ND(1.96) | ND(0.34) JL | ND(0.684) | ND(1.78) | ND(18.8) | ND(3.92) | ND(0.184) | ND(0.186) | ND(1.83) | ND(0.0356) | ND(93.4) | ND(6.98) | ND(35.8) | ND(0.163) | ND(3.4) | ND(0.373) | ND(0.0364) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | **32.3** | **50.2** | **40.1** | **203** | 7.44 | **13** | 8.12 | 1.44 JL | 3.53 | **11.1** | **103** | **26.5** | 1.33 | 0.942 | **10.3** | 0.27 | **1170** | **41.4** | **239** | 0.792 | **34.9** | 1.64 | 0.0775 |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | **14.7** | **18** | ND(4.15) | ND(38.5) | 5.98 | 9.98 | 3.68 | 0.643 JL | 1.72 | 5.32 | ND(18.8) | **16.7** | ND(0.184) | ND(0.186) | 3.76 | 0.144 | ND(93.4) | ND(6.98) | ND(35.8) | ND(0.163) | ND(3.4) | ND(0.373) | 0.0409 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(7.13) | ND(7.01) | ND(4.15) | ND(38.5) | ND(1.88) | ND(1.96) | ND(1.96) | ND(0.34) JL | ND(0.684) | ND(1.78) | ND(18.8) | ND(3.92) | ND(0.184) | ND(0.186) | ND(1.83) | ND(0.0356) | ND(93.4) | ND(6.98) | ND(35.8) | ND(0.163) | ND(3.4) | ND(0.373) | ND(0.0364) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(7.13) | ND(7.01) | ND(4.15) | ND(38.5) | ND(1.88) | ND(1.96) | ND(1.96) | ND(0.34) JL | ND(0.684) | ND(1.78) | ND(18.8) | ND(3.92) | ND(0.184) | ND(0.186) | ND(1.83) | ND(0.0356) | ND(93.4) | ND(6.98) | ND(35.8) | ND(0.163) | ND(3.4) | ND(0.373) | ND(0.0364) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(7.13) | ND(7.01) | ND(4.15) | ND(38.5) | ND(1.88) | ND(1.96) | ND(1.96) | ND(0.34) JL | ND(0.684) | ND(1.78) | ND(18.8) | ND(3.92) | ND(0.184) | ND(0.186) | ND(1.83) | ND(0.0356) | ND(93.4) | ND(6.98) | ND(35.8) | ND(0.163) | ND(3.4) | ND(0.373) | ND(0.0364) |
| | | | | | | **47** | **68.2** | **40.1** | **203** | **13.42** | **22.98** | **11.8** | 2.083 JL | 5.25 | **16.42** | **103** | **43.2** | 1.33 | 0.942 | **14.06** | 0.414 | **1170** | **41.4** | **239** | 0.792 | **34.9** | 1.64 | 0.1184 |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-112 (0'-1') | SB-112 (1'-2') | SB-112 (2'-3') | SB-113 (0'-1') | SB-113 (1'-2') | SB-113 (2'-3') | SB-114 (0'-1') | SB-114 (1'-2') | SB-114 (2'-3') | SB-114 (3'-4') | SB-115 (0'-1') | SB-115 (1'-2') | SB-115 (2'-3') | SB-115 (3'-4') | SB-116 (0'-1') | SB-116 (1'-2') | SB-116 (2'-3') | SB-116 (3'-4') | SB-116 (4'-5') | SB-116 (5'-6') | SB-117 (0'-1') | SB-117 (1'-2') | SB-117 (2'-3') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(7.72) | ND(0.19) | ND(0.0382) | ND(19.3) | ND(1.88) | ND(0.0413) | ND(3.78) | ND(0.775) | ND(0.0354) | ND(0.0329) | ND(191) | ND(18.9) | ND(0.0335) | ND(0.0375) | ND(95.6) | ND(18.7) | ND(0.0474) | ND(0.0339) | ND(3.64) | ND(0.0388) | ND(0.0351) | ND(3.67) | ND(3.57) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(7.72) | ND(0.19) | ND(0.0382) | ND(19.3) | ND(1.88) | ND(0.0413) | ND(3.78) | ND(0.775) | ND(0.0354) | ND(0.0329) | ND(191) | ND(18.9) | ND(0.0335) | ND(0.0375) | ND(95.6) | ND(18.7) | ND(0.0474) | ND(0.0339) | ND(3.64) | ND(0.0388) | ND(0.0351) | ND(3.67) | ND(3.57) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(7.72) | ND(0.19) | ND(0.0382) | ND(19.3) | ND(1.88) | ND(0.0413) | ND(3.78) | ND(0.775) | ND(0.0354) | ND(0.0329) | ND(191) | ND(18.9) | ND(0.0335) | ND(0.0375) | ND(95.6) | ND(18.7) | ND(0.0474) | ND(0.0339) | ND(3.64) | ND(0.0388) | ND(0.0351) | ND(3.67) | ND(3.57) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(7.72) | ND(0.19) | ND(0.0382) | ND(19.3) | ND(1.88) | ND(0.0413) | ND(3.78) | ND(0.775) | ND(0.0354) | ND(0.0329) | ND(191) | ND(18.9) | ND(0.0335) | ND(0.0375) | ND(95.6) | ND(18.7) | ND(0.0474) | ND(0.0339) | ND(3.64) | ND(0.0388) | ND(0.0351) | ND(3.67) | ND(3.57) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | **28.6** | 1.18 | 0.0461 | **113** | 9.28 | ND(0.0413) | **31** | 4.47 | ND(0.0354) | ND(0.0329) | **630** | **96.5** | 0.224 | 0.106 | **362** | **45** | 0.216 P | 0.0453 P | **16.7** | 0.0566 | 0.208 | **11** | 8.9 |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | **16.4** | 1.03 | 0.0532 | **53.8** | 3.22 | ND(0.0413) | ND(3.78) | 2.02 | ND(0.0354) | ND(0.0329) | ND(191) | ND(18.9) | ND(0.0335) | ND(0.0375) | **188** | **18.8** | 0.109 | ND(0.0339) | 8.95 | ND(0.0388) | 0.173 | 9.22 | 6.18 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(7.72) | ND(0.19) | ND(0.0382) | ND(19.3) | ND(1.88) | ND(0.0413) | ND(3.78) | ND(0.775) | ND(0.0354) | ND(0.0329) | ND(191) | ND(18.9) | ND(0.0335) | ND(0.0375) | ND(95.6) | ND(18.7) | ND(0.0474) | ND(0.0339) | ND(3.64) | ND(0.0388) | ND(0.0351) | ND(3.67) | ND(3.57) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(7.72) | ND(0.19) | ND(0.0382) | ND(19.3) | ND(1.88) | ND(0.0413) | ND(3.78) | ND(0.775) | ND(0.0354) | ND(0.0329) | ND(191) | ND(18.9) | ND(0.0335) | ND(0.0375) | ND(95.6) | ND(18.7) | ND(0.0474) | ND(0.0339) | ND(3.64) | ND(0.0388) | ND(0.0351) | ND(3.67) | ND(3.57) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(7.72) | ND(0.19) | ND(0.0382) | ND(19.3) | ND(1.88) | ND(0.0413) | ND(3.78) | ND(0.775) | ND(0.0354) | ND(0.0329) | ND(191) | ND(18.9) | ND(0.0335) | ND(0.0375) | ND(95.6) | ND(18.7) | ND(0.0474) | ND(0.0339) | ND(3.64) | ND(0.0388) | ND(0.0351) | ND(3.67) | ND(3.57) |
| | | | | | | **45** | 2.21 | 0.0993 | **166.8** | **12.5** | ND(0.0413) | **31** | 6.49 | ND(0.0354) | ND(0.0329) | **630** | **96.5** | 0.224 | 0.106 | **550** | **63.8** | 0.325 P | 0.0453 P | **25.65** | 0.0566 | 0.381 | **20.22** | **15.08** |

Notes:

1. BOLD Values Exceed the RIDEM Residential and Industrial Direct Exposure Criteria and the GB Leachability Criteria
2. BOLD Shaded (Yellow) Values are greater than 50 mg/kg (TSCA).
3. "ND" = Not detected above the presented laboratory reporting limit
4. "P" = The relative percent difference between the two columns exceeds the method specific criteria. The higher of the two results is shown.
5. Results qualified as estimated "J" and non-detects estimated "UJ" have field duplicate samples with relative percent differences above acceptance criteria
6. "JL" = Estimated value with potential low bias because sample was extracted after the 14-day holding time
7. The method blank associated with samples qualified with "B", has a concentration above the reporting limit for a specified Aroclor.

# Table 1
## Soil Data - PCBs
## 1 India Street, Providence, Rhode Island

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-117 (3'-4') | SB-117 (4'-5') | SB-117 (5'-6') | SB-117 (6'-7') | SB-117 (7'-8') | SB-118 (0'-1') | SB-118 (1'-2') | SB-118 (2'-3') | SB-118 (3'-4') | SB-118 (4'-5') | SB-118 (5'-6') | SB-118 (6'-7') | SB-119 (0'-1') | SB-119 (1'-2') | SB-119 (2'-3') | SB-119-DUP (2'-3') | SB-119 (3'-4') | SB-120 (0'-1') | SB-120 (1'-2') | SB-120 (2'-3') | SB-120 (3'-4') | SB-121 (0-1') | SB-121 (1-2') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/20/2010 | 5/19/2010 | 5/19/2010 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(3.5) | ND(3.84) | ND(48.2) | ND(3.88) | ND(0.0376) | ND(0.0356) | ND(0.0344) | ND(1.84) | ND(3.78) | ND(4.18) | ND(41.4) | ND(0.0373) | ND(1.78) | ND(0.773) | ND(0.341) | ND(0.338) | ND(0.0703) | ND(19.5) | ND(4.16) | ND(0.37) | ND(0.0371) | ND(0.151) | ND(0.0357) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(3.5) | ND(3.84) | ND(48.2) | ND(3.88) | ND(0.0376) | ND(0.0356) | ND(0.0344) | ND(1.84) | ND(3.78) | ND(4.18) | ND(41.4) | ND(0.0373) | ND(1.78) | ND(0.773) | ND(0.341) | ND(0.338) | ND(0.0703) | ND(19.5) | ND(4.16) | ND(0.37) | ND(0.0371) | ND(0.151) | ND(0.0357) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(3.5) | ND(3.84) | ND(48.2) | ND(3.88) | ND(0.0376) | ND(0.0356) | ND(0.0344) | ND(1.84) | ND(3.78) | ND(4.18) | ND(41.4) | ND(0.0373) | ND(1.78) | ND(0.773) | ND(0.341) | ND(0.338) | ND(0.0703) | ND(19.5) | ND(4.16) | ND(0.37) | ND(0.0371) | ND(0.151) | ND(0.0357) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(3.5) | ND(3.84) | ND(48.2) | ND(3.88) | ND(0.0376) | ND(0.0356) | ND(0.0344) | ND(1.84) | ND(3.78) | ND(4.18) | ND(41.4) | ND(0.0373) | ND(1.78) | ND(0.773) | ND(0.341) | ND(0.338) | ND(0.0703) | ND(19.5) | ND(4.16) | ND(0.37) | ND(0.0371) | ND(0.151) | ND(0.0357) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | **11.6** | **32.1** | **221** | **21.2** | 0.131 | ND(0.0356) | ND(0.0344) | 3.47 | 4.14 | **68.3** | **363** | 0.125 | 7.44 | 5.56 | 0.86 | 0.755 | ND(0.0703) | **40.9** | **37.9** | 1.15 | ND(0.0371) | 1.00 | ND(0.0357) |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 9.4 | **62.1** | **106** | **10.9** | 0.0661 | ND(0.0356) | ND(0.0344) | 4.94 | 4.79 | **57** | **177** | 0.0783 | 6.78 | 5.08 | 1.22 | 1.24 | ND(0.0703) | **24** | **28.7** | 0.92 | ND(0.0371) | 0.863 | ND(0.0357) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(3.5) | ND(3.84) | ND(48.2) | ND(3.88) | ND(0.0376) | ND(0.0356) | ND(0.0344) | ND(1.84) | ND(3.78) | ND(4.18) | ND(41.4) | ND(0.0373) | ND(1.78) | ND(0.773) | ND(0.341) | ND(0.338) | ND(0.0703) | ND(19.5) | ND(4.16) | ND(0.37) | ND(0.0371) | ND(0.151) | ND(0.0357) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(3.5) | ND(3.84) | ND(48.2) | ND(3.88) | ND(0.0376) | ND(0.0356) | ND(0.0344) | ND(1.84) | ND(3.78) | ND(4.18) | ND(41.4) | ND(0.0373) | ND(1.78) | ND(0.773) | ND(0.341) | ND(0.338) | ND(0.0703) | ND(19.5) | ND(4.16) | ND(0.37) | ND(0.0371) | ND(0.151) | ND(0.0357) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(3.5) | ND(3.84) | ND(48.2) | ND(3.88) | ND(0.0376) | ND(0.0356) | ND(0.0344) | ND(1.84) | ND(3.78) | ND(4.18) | ND(41.4) | ND(0.0373) | ND(1.78) | ND(0.773) | ND(0.341) | ND(0.338) | ND(0.0703) | ND(19.5) | ND(4.16) | ND(0.37) | ND(0.0371) | ND(0.151) | ND(0.0357) |
| | | | | | | **21** | **94.2** | **327** | **32.1** | 0.1971 | ND(0.0356) | ND(0.0344) | 8.41 | 8.93 | **125.3** | **540** | 0.2033 | **14.22** | **10.64** | 2.08 | 1.995 | ND(0.0703) | **64.9** | **66.6** | 2.07 | ND(0.0371) | 1.86 | ND(0.0357) |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-122 (0-1') | SB-123 (0-1') | SB-124 (0-1') | SB-125 (0-1') | SB-125 (1-2') | SB-126 (0-1') | SB-126 (1-2') | SB-127 (0-1') | SB-128 (0'-1') | SB-128 (1'-2') | SB-128 (2'-3') | SB-129 (0'-1') | SB-129-DUP (0'-1') | SB-129 (1'-2') | SB-129 (2'-3') | SB-130 (0'-1') | SB-130 (1'-2') | SB-130 (2'-3') | SB-131 (0'-1') | SB-131 (1'-2') | SB-131 (2'-3') | SB-131 (3'-4') | SB-131 (4'-5') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/18/2010 | 5/18/2010 | 5/18/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 | 5/19/2010 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.17) | ND(0.155) | ND(0.167) | ND(0.74) | ND(0.0336) | ND(0.148) | ND(0.184) | ND(0.149) | ND(0.0357) | ND(0.034) | ND(0.0367) | ND(0.0379) | ND(0.0365) | ND(0.0389) | ND(0.0369) | ND(0.233) | ND(0.0379) | ND(0.04) | ND(0.0387) | ND(0.0362) | ND(0.18) | ND(0.0359) | ND(0.13) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.17) | ND(0.155) | ND(0.167) | ND(0.74) | ND(0.0336) | ND(0.148) | ND(0.184) | ND(0.149) | ND(0.0357) | ND(0.034) | ND(0.0367) | ND(0.0379) | ND(0.0365) | ND(0.0389) | ND(0.0369) | ND(0.233) | ND(0.0379) | ND(0.04) | ND(0.0387) | ND(0.0362) | ND(0.18) | ND(0.0359) | ND(0.13) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.17) | ND(0.155) | ND(0.167) | ND(0.74) | ND(0.0336) | ND(0.148) | ND(0.184) | ND(0.149) | ND(0.0357) | ND(0.034) | ND(0.0367) | ND(0.0379) | ND(0.0365) | ND(0.0389) | ND(0.0369) | ND(0.233) | ND(0.0379) | ND(0.04) | ND(0.0387) | ND(0.0362) | ND(0.18) | ND(0.0359) | ND(0.13) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.17) | ND(0.155) | ND(0.167) | ND(0.74) | ND(0.0336) | ND(0.148) | ND(0.184) | ND(0.149) | ND(0.0357) | ND(0.034) | ND(0.0367) | ND(0.0379) | ND(0.0365) | ND(0.0389) | ND(0.0369) | ND(0.233) | ND(0.0379) | ND(0.04) | ND(0.0387) | ND(0.0362) | ND(0.18) | ND(0.0359) | ND(0.13) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 0.452 | ND(0.155) | 0.529 | 2.20 | ND(0.0336) | 1.33 | 0.613 | 0.303 | ND(0.0357) | ND(0.034) | ND(0.0367) | ND(0.0379) | ND(0.0365) | ND(0.0389) | 0.163 | 0.68 | 0.0399 | 0.0684 | 0.151 | 0.0627 | 0.642 | ND(0.0359) | ND(0.13) |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 0.236 | 0.177 | ND(0.167) | 2.26 | ND(0.0336) | 0.931 | 0.634 | 0.246 | 0.0414 | ND(0.034) | ND(0.0367) | ND(0.0379) | ND(0.0365) | ND(0.0389) | 0.0803 | 0.256 | 0.0992 | 0.15 | 0.204 | 0.117 | 0.396 | ND(0.0359) | ND(0.13) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.17) | ND(0.155) | ND(0.167) | ND(0.74) | ND(0.0336) | ND(0.148) | ND(0.184) | ND(0.149) | ND(0.0357) | ND(0.034) | ND(0.0367) | ND(0.0379) | ND(0.0365) | ND(0.0389) | ND(0.0369) | ND(0.233) | ND(0.0379) | ND(0.04) | ND(0.0387) | ND(0.0362) | ND(0.18) | ND(0.0359) | ND(0.13) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.17) | ND(0.155) | ND(0.167) | ND(0.74) | ND(0.0336) | ND(0.148) | ND(0.184) | ND(0.149) | ND(0.0357) | ND(0.034) | ND(0.0367) | ND(0.0379) | ND(0.0365) | ND(0.0389) | ND(0.0369) | ND(0.233) | ND(0.0379) | ND(0.04) | ND(0.0387) | ND(0.0362) | ND(0.18) | ND(0.0359) | ND(0.13) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.17) | ND(0.155) | ND(0.167) | ND(0.74) | ND(0.0336) | ND(0.148) | ND(0.184) | ND(0.149) | ND(0.0357) | ND(0.034) | ND(0.0367) | ND(0.0379) | ND(0.0365) | ND(0.0389) | ND(0.0369) | ND(0.233) | ND(0.0379) | ND(0.04) | 0.0676 | ND(0.0362) | ND(0.18) | ND(0.0359) | ND(0.13) |
| | | | | | | 0.688 | 0.177 | 0.529 | 4.46 | ND(0.0336) | 2.261 | 1.247 | 0.549 | 0.0414 | ND(0.034) | ND(0.0367) | ND(0.0379) | ND(0.0365) | ND(0.0389) | 0.2433 | 0.936 | 0.1391 | 0.2184 | 0.355 | 0.1797 | 1.038 | ND(0.0359) | ND(0.13) |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-132 (0'-1') | SB-132 (1'-2') | SB-132 (2'-3') | SB-133 (0'-1') | SB-133 (1'-2') | SB-134 (0'-1') | SB-134 (1'-2') | SB-134 (2'-3') | SB-135 (0'-1') | SB-135 (1'-2') | SB-135 (2'-3') | SB-136 (0'-1') | SB-136 (1'-2') | SB-136 (2'-3') | SB-137 (0'-1') | SB-137 (1'-2') | SB-137 (2'-3') | SB-137 (3'-4') | SB-138 (0'-1') | SB-138 (1'-2') | SB-138 (2'-3') | SB-138 (3'-4') | SB-139 (0'-1') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 5/21/2010 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(2.58) | ND(0.807) | ND(0.207) | ND(1.17) | ND(0.196) | ND(0.112) | ND(0.0392) | ND(0.0368) | ND(0.074) | ND(0.0362) | ND(0.0382) | ND(0.0374) | ND(0.0381) | ND(0.0388) | ND(0.0352) | ND(0.0349) | ND(0.0344) | ND(0.0384) | ND(0.0392) | ND(0.0348) | ND(1.9) | ND(0.0369) | ND(0.173) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(2.58) | ND(0.807) | ND(0.207) | ND(1.17) | ND(0.196) | ND(0.112) | ND(0.0392) | ND(0.0368) | ND(0.074) | ND(0.0362) | ND(0.0382) | ND(0.0374) | ND(0.0381) | ND(0.0388) | ND(0.0352) | ND(0.0349) | ND(0.0344) | ND(0.0384) | ND(0.0392) | ND(0.0348) | ND(1.9) | ND(0.0369) | ND(0.173) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(2.58) | ND(0.807) | ND(0.207) | ND(1.17) | ND(0.196) | ND(0.112) | ND(0.0392) | ND(0.0368) | ND(0.074) | ND(0.0362) | ND(0.0382) | ND(0.0374) | ND(0.0381) | ND(0.0388) | ND(0.0352) | ND(0.0349) | ND(0.0344) | ND(0.0384) | ND(0.0392) | ND(0.0348) | ND(1.9) | ND(0.0369) | ND(0.173) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(2.58) | ND(0.807) | ND(0.207) | ND(1.17) | ND(0.196) | ND(0.112) | ND(0.0392) | ND(0.0368) | ND(0.074) | ND(0.0362) | ND(0.0382) | ND(0.0374) | ND(0.0381) | ND(0.0388) | ND(0.0352) | ND(0.0349) | ND(0.0344) | ND(0.0384) | ND(0.0392) | ND(0.0348) | ND(1.9) | ND(0.0369) | ND(0.173) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | **12.8** | 9.65 | 1.05 | 7.86 | 1.09 | ND(0.112) | ND(0.0392) | ND(0.0368) | ND(0.074) | ND(0.0362) | ND(0.0382) | ND(0.0374) | ND(0.0381) | ND(0.0388) | ND(0.0352) | ND(0.0349) | 0.0652 | 0.26 | 0.104 | ND(0.0348) | **14.2** | 0.0725 | 0.489 |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 6.45 | 6.19 | 0.712 | 5.69 | 0.696 | ND(0.112) | ND(0.0392) | ND(0.0368) | 0.117 | ND(0.0362) | ND(0.0382) | ND(0.0374) | ND(0.0381) | ND(0.0388) | ND(0.0352) | ND(0.0349) | 0.0363 | 0.172 | 0.0868 | ND(0.0348) | 9.87 | 0.0651 | 0.54 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(2.58) | ND(0.807) | ND(0.207) | ND(1.17) | ND(0.196) | ND(0.112) | ND(0.0392) | ND(0.0368) | 0.102 | ND(0.0362) | ND(0.0382) | ND(0.0374) | ND(0.0381) | ND(0.0388) | ND(0.0352) | ND(0.0349) | ND(0.0344) | ND(0.0384) | ND(0.0392) | ND(0.0348) | ND(1.9) | ND(0.0369) | ND(0.173) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(2.58) | ND(0.807) | ND(0.207) | ND(1.17) | ND(0.196) | ND(0.112) | ND(0.0392) | ND(0.0368) | ND(0.074) | ND(0.0362) | ND(0.0382) | ND(0.0374) | ND(0.0381) | ND(0.0388) | ND(0.0352) | ND(0.0349) | ND(0.0344) | ND(0.0384) | ND(0.0392) | ND(0.0348) | ND(1.9) | ND(0.0369) | ND(0.173) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(2.58) | ND(0.807) | ND(0.207) | ND(1.17) | ND(0.196) | ND(0.112) | ND(0.0392) | ND(0.0368) | ND(0.074) | ND(0.0362) | ND(0.0382) | ND(0.0374) | ND(0.0381) | ND(0.0388) | ND(0.0352) | ND(0.0349) | ND(0.0344) | ND(0.0384) | ND(0.0392) | ND(0.0348) | ND(1.9) | ND(0.0369) | ND(0.173) |
| | | | | | | **19.25** | **15.84** | 1.762 | **13.55** | 1.786 | ND(0.112) | ND(0.0392) | ND(0.0368) | 0.219 | ND(0.0362) | ND(0.0382) | ND(0.0374) | ND(0.0381) | ND(0.0388) | ND(0.0352) | ND(0.0349) | 0.1015 | 0.432 | 0.1908 | ND(0.0348) | **24.07** | 0.1376 | 1.029 |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-139 (1'-2') | SB-139-DUP (1'-2') | SB-139 (2'-3') | SB-139 (3'-4') | SB-140 (0'-1') | SB-140 (1'-2') | SB-140 (2'-3') | SB-140 (3'-4') | SB-141 (0'-1') | SB-141 (1'-2') | SB-141 (2'-3') | SB-141 (3'-4') | SB-142 (0'-1') | SB-142 (1'-2') | SB-142 (2'-3') | SB-142 (3'-4') | SB-143 (0'-1') | SB-143 (1'-2') | SB-143 (2'-3') | SB-143 (3'-4') | SB-143A (4'-5') | SB-143A (5'-6') | SB-143A (6'-7') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.189) | ND(0.176) | ND(0.0356 | ND(0.0354) | ND(1.75) | ND(0.173) | ND(0.0346) | ND(0.035) | ND(0.18) | ND(0.0377) | ND(0.0349) | ND(0.0412) | ND(0.677) | ND(3.46) | ND(0.0356) | ND(0.3) | ND(3.58) | ND(88.1) | ND(0.176) | ND(1.06) | ND(1.24) | ND(0.32) | ND(0.034) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.189) | ND(0.176) | ND(0.0356 | ND(0.0354) | ND(1.75) | ND(0.173) | ND(0.0346) | ND(0.035) | ND(0.18) | ND(0.0377) | ND(0.0349) | ND(0.0412) | ND(0.677) | ND(3.46) | ND(0.0356) | ND(0.3) | ND(3.58) | ND(88.1) | ND(0.176) | ND(1.06) | ND(1.24) | ND(0.32) | ND(0.034) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.189) | ND(0.176) | ND(0.0356 | ND(0.0354) | ND(1.75) | ND(0.173) | ND(0.0346) | ND(0.035) | ND(0.18) | ND(0.0377) | ND(0.0349) | ND(0.0412) | ND(0.677) | ND(3.46) | ND(0.0356) | ND(0.3) | ND(3.58) | ND(88.1) | ND(0.176) | ND(1.06) | ND(1.24) | ND(0.32) | ND(0.034) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.189) | ND(0.176) | ND(0.0356 | ND(0.0354) | ND(1.75) | ND(0.173) | ND(0.0346) | ND(0.035) | ND(0.18) | ND(0.0377) | ND(0.0349) | ND(0.0412) | ND(0.677) | ND(3.46) | ND(0.0356) | ND(0.3) | ND(3.58) | ND(88.1) | ND(0.176) | ND(1.06) | ND(1.24) | ND(0.32) | ND(0.034) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | ND(0.189) | ND(0.176) | ND(0.0356 | 0.0467 | 6.08 | 0.808 | ND(0.0346) | ND(0.035) | 0.968 | ND(0.0377) | ND(0.0349) | ND(0.0412) | 2.47 | **13.6** | 0.099 | ND(0.3) | **23.3** | ND(88.1) | 1.35 | **16.6** | 7.46 | 1.22 | ND(0.034) |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | ND(0.189) | ND(0.176) | ND(0.0356 | 0.0627 | 5.57 | 1.18 | ND(0.0346) | ND(0.035) | 1.1 | 0.0412 | ND(0.0349) | ND(0.0412) | 2.6 | **12.7** | 0.0912 | ND(0.3) | **16.1** | **660** | 1.21 | 7.86 | 8.61 | 0.71 | ND(0.034) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.189) | ND(0.176) | ND(0.0356 | ND(0.0354) | ND(1.75) | ND(0.173) | ND(0.0346) | ND(0.035) | ND(0.18) | ND(0.0377) | ND(0.0349) | ND(0.0412) | ND(0.677) | ND(3.46) | ND(0.0356) | ND(0.3) | ND(3.58) | ND(88.1) | ND(0.176) | ND(1.06) | ND(1.24) | ND(0.32) | ND(0.034) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.189) | ND(0.176) | ND(0.0356 | ND(0.0354) | ND(1.75) | ND(0.173) | ND(0.0346) | ND(0.035) | ND(0.18) | ND(0.0377) | ND(0.0349) | ND(0.0412) | ND(0.677) | ND(3.46) | ND(0.0356) | ND(0.3) | ND(3.58) | ND(88.1) | ND(0.176) | ND(1.06) | ND(1.24) | ND(0.32) | ND(0.034) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.189) | ND(0.176) | ND(0.0356 | ND(0.0354) | ND(1.75) | ND(0.173) | ND(0.0346) | ND(0.035) | ND(0.18) | ND(0.0377) | ND(0.0349) | ND(0.0412) | ND(0.677) | ND(3.46) | ND(0.0356) | ND(0.3) | ND(3.58) | ND(88.1) | ND(0.176) | ND(1.06) | ND(1.24) | ND(0.32) | ND(0.034) |
| | | | | | | ND(0.189) | ND(0.176) | ND(0.0356 | 0.1094 | **11.65** | 1.988 | ND(0.0346) | ND(0.035) | 2.068 | 0.0412 | ND(0.0349) | ND(0.0412) | 5.07 | **26.3** | 0.1902 | ND(0.3) | **39.4** | **660** | 2.56 | **24.46** | **16.07** | 1.93 | ND(0.034) |

Notes:

1. BOLD Values Exceed the RIDEM Residential and Industrial Direct Exposure Criteria and the GB Leachability Criteria
2. BOLD Shaded (Yellow) Values are greater than 50 mg/kg (TSCA).
3. "ND" = Not detected above the presented laboratory reporting limit
4. "P" = The relative percent difference between the two columns exceeds the method specific criteria. The higher of the two results is shown.
5. Results qualified as estimated "J" and non-detects estimated "UJ" have field duplicate samples with relative percent differences above acceptance criteria
6. "JL" = Estimated value with potential low bias because sample was extracted after the 14-day holding time
7. The method blank associated with samples qualified with "B", has a concentration above the reporting limit for a specified Aroclor.

# Table 1
## Soil Data - PCBs
## 1 India Street, Providence, Rhode Island

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-143A (7'-8') | SB-144 (0'-1') | SB-144 (1'-2') | SB-144 (2'-3') | SB-144 (3'-4') | SB-145 (0'-1') | SB-145 (1'-2') | SB-145 (2'-3') | SB-145 (3'-4') | SB-146 (0'-1') | SB-146 (1'-2') | SB-146 (2'-3') | SB-146 (3'-4') | SB-146A (4'-5') | SB-146A (5'-6') | SB-147 (0'-1') | SB-147-DUP (0'-1') | SB-147 (1'-2') | SB-147 (2'-3') | SB-148 (5'-6') | SB-148 (6'-7') | SB-148 (7'-8') | SB-149 (0'-1') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 8/4/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 8/4/2011 | 8/4/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0326) | ND(0.0347) | ND(0.036) | ND(1.45) | ND(0.0372) | ND(0.682) | ND(0.135) | ND(3.36) | ND(0.0724) | ND(0.0344) | ND(0.0358) | ND(0.105) | ND(1.81) | ND(0.0351) | ND(0.039) | ND(0.0343) | ND(0.0348) | ND(0.0339) | ND(0.0351) | ND(0.04) | ND(0.0395) | ND(0.0386) | ND(0.0357) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0326) | ND(0.0347) | ND(0.036) | ND(1.45) | ND(0.0372) | ND(0.682) | ND(0.135) | ND(3.36) | ND(0.0724) | ND(0.0344) | ND(0.0358) | ND(0.105) | ND(1.81) | ND(0.0351) | ND(0.039) | ND(0.0343) | ND(0.0348) | ND(0.0339) | ND(0.0351) | ND(0.04) | ND(0.0395) | ND(0.0386) | ND(0.0357) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0326) | ND(0.0347) | ND(0.036) | ND(1.45) | ND(0.0372) | ND(0.682) | ND(0.135) | ND(3.36) | ND(0.0724) | ND(0.0344) | ND(0.0358) | ND(0.105) | ND(1.81) | ND(0.0351) | ND(0.039) | ND(0.0343) | ND(0.0348) | ND(0.0339) | ND(0.0351) | ND(0.04) | ND(0.0395) | ND(0.0386) | ND(0.0357) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0326) | ND(0.0347) | ND(0.036) | ND(1.45) | ND(0.0372) | ND(0.682) | ND(0.135) | ND(3.36) | ND(0.0724) | ND(0.0344) | ND(0.0358) | ND(0.105) | ND(1.81) | ND(0.0351) | ND(0.039) | ND(0.0343) | ND(0.0348) | ND(0.0339) | ND(0.0351) | 0.178 | 0.0826 | ND(0.0386) | ND(0.0357) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0326) | 0.288 | 0.554 | 2.92 | ND(0.0372) | 2.06 | 0.532 | **28.8** | ND(0.0724) | ND(0.0344) | 0.507 | 1.45 | 7.98 | 0.0352 | ND(0.039) | 0.0482 | ND(0.0348) | ND(0.0339) | ND(0.0351) | ND(0.04) | ND(0.0395) | ND(0.0386) | ND(0.0357) |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0326) | 0.241 | 0.426 | 4.13 | 0.0492 | 1.88 | 0.778 | **15.8** | ND(0.0724) | 0.331 | 0.584 | 1.16 | 4.31 | ND(0.0351) | ND(0.039) | 0.0662 | ND(0.0348) | ND(0.0339) | ND(0.0351) | 0.477 | 0.0806 | ND(0.0386) | ND(0.0357) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0326) | ND(0.0347) | ND(0.036) | ND(1.45) | ND(0.0372) | ND(0.682) | ND(0.135) | ND(3.36) | 0.082 | 0.0436 | ND(0.0358) | ND(0.105) | ND(1.81) | ND(0.0351) | ND(0.039) | ND(0.0343) | ND(0.0348) | ND(0.0339) | ND(0.0351) | ND(0.04) | ND(0.0395) | ND(0.0386) | ND(0.0357) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0326) | ND(0.0347) | ND(0.036) | ND(1.45) | ND(0.0372) | ND(0.682) | ND(0.135) | ND(3.36) | ND(0.0724) | ND(0.0344) | ND(0.0358) | ND(0.105) | ND(1.81) | ND(0.0351) | ND(0.039) | ND(0.0343) | ND(0.0348) | ND(0.0339) | ND(0.0351) | ND(0.04) | ND(0.0395) | ND(0.0386) | ND(0.0357) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0326) | ND(0.0347) | ND(0.036) | ND(1.45) | ND(0.0372) | ND(0.682) | ND(0.135) | ND(3.36) | 0.0925 | ND(0.0344) | ND(0.0358) | ND(0.105) | ND(1.81) | ND(0.0351) | ND(0.039) | ND(0.0343) | ND(0.0348) | ND(0.0339) | ND(0.0351) | ND(0.04) | ND(0.0395) | ND(0.0386) | ND(0.0357) |
| | | | | | | ND(0.0326) | 0.529 | 0.980 | 7.05 | 0.0492 | 3.94 | 1.310 | **44.6** | 0.1745 | 0.3746 | 1.091 | 2.61 | **12.29** | 0.0352 | ND(0.039) | 0.1144 | ND(0.0348) | ND(0.0339) | ND(0.0351) | 0.655 | 0.1632 | ND(0.0386) | ND(0.0357) |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-149 (1'-2') | SB-149 (2'-3') | SB-150 (0'-1') | SB-150 (1'-2') | SB-150 (2'-3') | SB-151 (0'-1') | SB-151 (1'-2') | SB-151-DUP (1'-2') | SB-151 (2'-3') | SB-152 (0'-1') | SB-152 (1'-2') | SB-152 (2'-3') | SB-153 (0'-1') | SB-153 (1'-2') | SB-153 (2'-3') | SB-154 (5'-6') | SB-154 (6'-7') | SB-154 (7'-8') | SB-154-DUP (7'-8') | SB-154 (8'-9') | SB-154 (9'-10') | SB-154 (10'-11') | SB-154 (11'-12') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0366) | ND(0.0364) | ND(0.0356) | ND(0.035) | ND(0.034) | ND(0.756) | ND(0.18) | ND(0.0706) | ND(0.0336) | ND(0.377) | ND(0.0354) | ND(0.0347) | ND(0.143) | ND(0.038) | ND(0.0346) | ND(3.58) | ND(3.6) | ND(4.16) | ND(4.08) | ND(0.0396) | ND(0.0382) | ND(0.429) | ND(0.394) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0366) | ND(0.0364) | ND(0.0356) | ND(0.035) | ND(0.034) | ND(0.756) | ND(0.18) | ND(0.0706) | ND(0.0336) | ND(0.377) | ND(0.0354) | ND(0.0347) | ND(0.143) | ND(0.038) | ND(0.0346) | ND(3.58) | ND(3.6) | ND(4.16) | ND(4.08) | ND(0.0396) | ND(0.0382) | ND(0.429) | ND(0.394) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0366) | ND(0.0364) | ND(0.0356) | ND(0.035) | ND(0.034) | ND(0.756) | ND(0.18) | ND(0.0706) | ND(0.0336) | ND(0.377) | ND(0.0354) | ND(0.0347) | ND(0.143) | ND(0.038) | ND(0.0346) | ND(3.58) | ND(3.6) | ND(4.16) | ND(4.08) | ND(0.0396) | ND(0.0382) | ND(0.429) | ND(0.394) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0366) | ND(0.0364) | 0.039 | 0.0792 | ND(0.034) | ND(0.756) | ND(0.18) | 0.102 | ND(0.0336) | ND(0.377) | ND(0.0354) | ND(0.0347) | ND(0.143) | ND(0.038) | ND(0.0346) | ND(3.58) | ND(3.6) | ND(4.16) | ND(4.08) | ND(0.0396) | ND(0.0382) | ND(0.429) | ND(0.394) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0366) | ND(0.0364) | ND(0.0356) | ND(0.035) | ND(0.034) | 7.5 | 0.824 | ND(0.0706) | ND(0.0336) | 2.12 | ND(0.0354) | ND(0.0347) | 0.344 | ND(0.038) | ND(0.0346) | **16.7** | **19.2** | **33.9** | **23** | 0.661 | 0.0961 | 4.75 | 4.1 |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0366) | ND(0.0364) | 0.338 | 0.177 | ND(0.034) | 6.39 | 0.956 | 0.724 | 0.0563 | 1.67 | ND(0.0354) | ND(0.0347) | 0.388 | 0.202 | ND(0.0346) | 7.07 | 7.22 | **11.8** | 8.57 | 0.246 | ND(0.0382) | 1.43 | 1.28 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0366) | ND(0.0364) | 0.0693 | ND(0.035) | ND(0.034) | ND(0.756) | ND(0.18) | 0.0896 | ND(0.0336) | ND(0.377) | ND(0.0354) | ND(0.0347) | ND(0.143) | 0.0668 | ND(0.0346) | ND(3.58) | ND(3.6) | ND(4.16) | ND(4.08) | ND(0.0396) | ND(0.0382) | ND(0.429) | ND(0.394) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0366) | ND(0.0364) | ND(0.0356) | ND(0.035) | ND(0.034) | ND(0.756) | ND(0.18) | ND(0.0706) | ND(0.0336) | ND(0.377) | ND(0.0354) | ND(0.0347) | ND(0.143) | ND(0.038) | ND(0.0346) | ND(3.58) | ND(3.6) | ND(4.16) | ND(4.08) | ND(0.0396) | ND(0.0382) | ND(0.429) | ND(0.394) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0366) | 0.0952 | ND(0.0356) | ND(0.035) | ND(0.034) | ND(0.756) | ND(0.18) | ND(0.0706) | ND(0.0336) | ND(0.377) | ND(0.0354) | ND(0.0347) | ND(0.143) | ND(0.038) | ND(0.0346) | ND(3.58) | ND(3.6) | ND(4.16) | ND(4.08) | ND(0.0396) | ND(0.0382) | ND(0.429) | ND(0.394) |
| | | | | | | ND(0.0366) | 0.0952 | 0.4463 | 0.2562 | ND(0.034) | **13.89** | 1.780 | 0.9156 | 0.0563 | 3.79 | ND(0.0354) | ND(0.0347) | 0.732 | 0.2688 | ND(0.0346) | **23.77** | **26.42** | **45.7** | **31.57** | 0.907 | 0.0961 | 6.18 | 5.38 |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-155 (0'-1') | SB-155 (1'-2') | SB-155 (2'-3') | SB-156 (0'-1') | SB-156 (1'-2') | SB-156 (2'-3') | SB-156 (3'-4') | SB-156 (4'-5') | SB-156 (5'-6') | SB-156 (6'-7') | SB-156 (7'-8') | SB-156 (8'-9') | SB-156 (9'-10') | SB-156 (10'-11') | SB-156 (11'-12') | SB-157 (0'-1') | SB-157 (1'-2') | SB-157 (2'-3') | SB-157 (3'-4') | SB-157-DUP (3'-4') | SB-157 (4'-5') | SB-157 (5'-6') | SB-157 (6'-7') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.39) | ND(0.0372) | ND(0.0344) | ND(0.365) | ND(1.85) | ND(1.8) | ND(0.693) | ND(0.352) | ND(0.356) | ND(0.38) | ND(0.372) | ND(0.0378) | ND(0.0381) | ND(0.0399) | ND(0.0406) | ND(1.88) | ND(1.9) | ND(1.89) | ND(0.354) | ND(0.356) | ND(0.0348) | ND(0.035) | ND(0.0362) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.39) | ND(0.0372) | ND(0.0344) | ND(0.365) | ND(1.85) | ND(1.8) | ND(0.693) | ND(0.352) | ND(0.356) | ND(0.38) | ND(0.372) | ND(0.0378) | ND(0.0381) | ND(0.0399) | ND(0.0406) | ND(1.88) | ND(1.9) | ND(1.89) | ND(0.354) | ND(0.356) | ND(0.0348) | ND(0.035) | ND(0.0362) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.39) | ND(0.0372) | ND(0.0344) | ND(0.365) | ND(1.85) | ND(1.8) | ND(0.693) | ND(0.352) | ND(0.356) | ND(0.38) | ND(0.372) | ND(0.0378) | ND(0.0381) | ND(0.0399) | ND(0.0406) | ND(1.88) | ND(1.9) | ND(1.89) | ND(0.354) | ND(0.356) | ND(0.0348) | ND(0.035) | ND(0.0362) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.39) | ND(0.0372) | ND(0.0344) | ND(0.365) | ND(1.85) | ND(1.8) | ND(0.693) | ND(0.352) | ND(0.356) | ND(0.38) | ND(0.372) | ND(0.0378) | ND(0.0381) | ND(0.0399) | ND(0.0406) | ND(1.88) | ND(1.9) | ND(1.89) | ND(0.354) | ND(0.356) | ND(0.0348) | ND(0.035) | ND(0.0362) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 3.56 | 0.428 | ND(0.0344) | 1.3 | **10.6** | 7.15 | 4.7 | 3.36 | 3.48 | ND(0.38) | 0.171 | 0.0636 | 0.0532 | ND(0.0399) | ND(0.0406) | 8.05 | 5.14 | 4.26 | ND(0.354) | ND(0.356) | ND(0.0348) | ND(0.035) | ND(0.0362) |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 2.8 | 0.509 | ND(0.0344) | 0.956 | 5.3 | 3.11 | 1.81 | 1.27 | 1.46 | ND(0.38) | ND(0.372) | ND(0.0378) | ND(0.0381) | ND(0.0399) | ND(0.0406) | 5.1 | 3.55 | 2.64 | ND(0.354) | ND(0.356) | ND(0.0348) | ND(0.035) | ND(0.0362) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.39) | ND(0.0372) | ND(0.0344) | ND(0.365) | ND(1.85) | ND(1.8) | ND(0.693) | ND(0.352) | ND(0.356) | ND(0.38) | ND(0.372) | ND(0.0378) | ND(0.0381) | ND(0.0399) | ND(0.0406) | ND(1.88) | ND(1.9) | ND(1.89) | ND(0.354) | ND(0.356) | ND(0.0348) | ND(0.035) | ND(0.0362) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.39) | ND(0.0372) | ND(0.0344) | ND(0.365) | ND(1.85) | ND(1.8) | ND(0.693) | ND(0.352) | ND(0.356) | ND(0.38) | ND(0.372) | ND(0.0378) | ND(0.0381) | ND(0.0399) | ND(0.0406) | ND(1.88) | ND(1.9) | ND(1.89) | ND(0.354) | ND(0.356) | ND(0.0348) | ND(0.035) | ND(0.0362) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.39) | ND(0.0372) | ND(0.0344) | ND(0.365) | ND(1.85) | ND(1.8) | ND(0.693) | ND(0.352) | ND(0.356) | ND(0.38) | ND(0.372) | ND(0.0378) | ND(0.0381) | ND(0.0399) | ND(0.0406) | ND(1.88) | ND(1.9) | ND(1.89) | ND(0.354) | ND(0.356) | ND(0.0348) | ND(0.035) | ND(0.0362) |
| | | | | | | 6.36 | 0.937 | ND(0.0344) | 2.256 | **15.9** | **10.26** | 6.51 | 4.63 | 4.94 | ND(0.38) | 0.171 | 0.0636 | 0.0532 | ND(0.0399) | ND(0.0406) | **13.15** | 8.69 | 6.90 | ND(0.354) | ND(0.356) | ND (0.0348) | ND(0.035) | ND(0.0362) |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-157 (7'-8') | SB-157 (8'-9') | SB-157 (9'-10') | SB-157 (10'-11') | SB-157 (11'-12') | SB-158 (0'-1') | SB-158 (1'-2') | SB-158 (2'-3') | SB-159 (0'-1') | SB-159 (1'-2') | SB-159 (2'-3') | SB-160 (0'-1') | SB-160 (1'-2') | SB-160 (2'-3') | SB-160 (3'-4') | SB-160 (4'-5') | SB-160-DUP (4'-5') | SB-160 (5'-6') | SB-160 (6'-7') | SB-160 (7'-8') | SB-161 (0'-1') | SB-161 (1'-2') | SB-161 (2'-3') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0383) | ND(0.0378) | ND(0.0374) | ND(0.0398) | ND(0.0412) | ND(0.361) | ND(0.0383) | ND(0.0404) | ND(0.0355) | ND(0.0356) | ND(0.0345) | ND(0.181) | ND(1.86) | ND(3.78) | ND(0.709) | ND(0.344) | ND(0.349) | ND(0.374) | ND(0.419) | ND(0.0382) | ND(0.738) | ND(1.8) | ND(0.188) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0383) | ND(0.0378) | ND(0.0374) | ND(0.0398) | ND(0.0412) | ND(0.361) | ND(0.0383) | ND(0.0404) | ND(0.0355) | ND(0.0356) | ND(0.0345) | ND(0.181) | ND(1.86) | ND(3.78) | ND(0.709) | ND(0.344) | ND(0.349) | ND(0.374) | ND(0.419) | ND(0.0382) | ND(0.738) | ND(1.8) | ND(0.188) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0383) | ND(0.0378) | ND(0.0374) | ND(0.0398) | ND(0.0412) | ND(0.361) | ND(0.0383) | ND(0.0404) | ND(0.0355) | ND(0.0356) | ND(0.0345) | ND(0.181) | ND(1.86) | ND(3.78) | ND(0.709) | ND(0.344) | ND(0.349) | ND(0.374) | ND(0.419) | ND(0.0382) | ND(0.738) | ND(1.8) | ND(0.188) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0383) | ND(0.0378) | ND(0.0374) | ND(0.0398) | ND(0.0412) | ND(0.361) | ND(0.0383) | ND(0.0404) | ND(0.0355) | ND(0.0356) | ND(0.0345) | ND(0.181) | ND(1.86) | ND(3.78) | ND(0.709) | ND(0.344) | ND(0.349) | ND(0.374) | ND(0.419) | ND(0.0382) | ND(0.738) | ND(1.8) | ND(0.188) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 0.228 | 0.192 | 0.123 | 0.144 | ND(0.0412) | 2 | ND(0.0383) | ND(0.0404) | 0.24 | ND(0.0356) | ND(0.0345) | 0.815 | 4.62 | **13.2** | 3.76 | ND(0.344) | ND(0.349) | 1.85 | ND(0.419) | 0.0999 | 6.27 | 3.69 | 1.4 |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 0.08 | 0.0679 | 0.0418 | 0.0822 | ND(0.0412) | 1.16 | ND(0.0383) | ND(0.0404) | 0.246 | ND(0.0356) | ND(0.0345) | 0.818 | 3.12 | 6.87 | 1.68 | ND(0.344) | ND(0.349) | 0.856 | ND(0.419) | ND(0.0382) | 3.35 | 2.89 | 0.938 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0383) | ND(0.0378) | ND(0.0374) | ND(0.0398) | ND(0.0412) | ND(0.361) | ND(0.0383) | ND(0.0404) | ND(0.0355) | ND(0.0356) | ND(0.0345) | ND(0.181) | ND(1.86) | ND(3.78) | ND(0.709) | ND(0.344) | ND(0.349) | ND(0.374) | ND(0.419) | ND(0.0382) | ND(0.738) | ND(1.8) | ND(0.188) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0383) | ND(0.0378) | ND(0.0374) | ND(0.0398) | ND(0.0412) | ND(0.361) | ND(0.0383) | ND(0.0404) | ND(0.0355) | ND(0.0356) | ND(0.0345) | ND(0.181) | ND(1.86) | ND(3.78) | ND(0.709) | ND(0.344) | ND(0.349) | ND(0.374) | ND(0.419) | ND(0.0382) | ND(0.738) | ND(1.8) | ND(0.188) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0383) | ND(0.0378) | ND(0.0374) | ND(0.0398) | ND(0.0412) | ND(0.361) | ND(0.0383) | ND(0.0404) | ND(0.0355) | ND(0.0356) | ND(0.0345) | ND(0.181) | ND(1.86) | ND(3.78) | ND(0.709) | ND(0.344) | ND(0.349) | ND(0.374) | ND(0.419) | ND(0.0382) | ND(0.738) | ND(1.8) | ND(0.188) |
| | | | | | | 0.308 | 0.2599 | 0.1648 | 0.2262 | ND (0.0412) | 3.16 | ND(0.0383) | ND(0.0404) | 0.486 | ND(0.0356) | ND(0.0345) | 1.633 | 7.74 | **20.07** | 5.44 | ND(0.344) | ND(0.349) | 2.706 | ND(0.419) | 0.0999 | 9.62 | 6.58 | 2.338 |

Notes:

1. BOLD Values Exceed the RIDEM Residential and Industrial Direct Exposure Criteria and the GB Leachability Criteria
2. BOLD Shaded (Yellow) Values are greater than 50 mg/kg (TSCA).
3. "ND" = Not detected above the presented laboratory reporting limit
4. "P" = The relative percent difference between the two columns exceeds the method specific criteria. The higher of the two results is shown.
5. Results qualified as estimated "J" and non-detects estimated "UJ" have field duplicate samples with relative percent differences above acceptance criteria
6. "JL" = Estimated value with potential low bias because sample was extracted after the 14-day holding time
7. The method blank associated with samples qualified with "B", has a concentration above the reporting limit for a specified Aroclor.

# Table 1
## Soil Data - PCBs
## 1 India Street, Providence, Rhode Island

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-161 (3'-4') | SB-162 (0'-1') | SB-162 (1'-2') | SB-162 (2'-3') | SB-163 (0'-1') | SB-163 (1'-2') | SB-163 (2'-3') | SB-164 (0'-1') | SB-164 (1'-2') | SB-164 (2'-3') | SB-164 (3'-4') | SB-165 (0'-1') | SB-165 (1'-2') | SB-165 (2'-3') | SB-166 (0'-1') | SB-166 (1'-2') | SB-166 (2'-3') | SB-167 (0'-1') | SB-167 (1'-2') | SB-168 (0'-1') | SB-168 (1'-2') | SB-168 (2'-3') | SB-168 (3'-4') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/8/2011 | 6/8/2011 | 6/8/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0354) | ND(0.0768) | ND(0.0384) | ND(0.0362) | ND(0.183) | ND(0.0401) | ND(0.0354) | ND(3.85) | ND(3.72) | ND(0.18) | ND(0.0358) | ND(0.184) JL | ND(0.182) | ND(0.0379) | ND(0.0363) | ND(0.374) | ND(0.0348) | ND(0.0369) | ND(0.0363) | ND(0.0336) | ND(0.0338) | ND(0.0343) | ND(0.0352) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0354) | ND(0.0768) | ND(0.0384) | ND(0.0362) | ND(0.183) | ND(0.0401) | ND(0.0354) | ND(3.85) | ND(3.72) | ND(0.18) | ND(0.0358) | ND(0.184) JL | ND(0.182) | ND(0.0379) | ND(0.0363) | ND(0.374) | ND(0.0348) | ND(0.0369) | ND(0.0363) | ND(0.0336) | ND(0.0338) | ND(0.0343) | ND(0.0352) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0354) | ND(0.0768) | ND(0.0384) | ND(0.0362) | ND(0.183) | ND(0.0401) | ND(0.0354) | ND(3.85) | ND(3.72) | ND(0.18) | ND(0.0358) | ND(0.184) JL | ND(0.182) | ND(0.0379) | ND(0.0363) | ND(0.374) | ND(0.0348) | ND(0.0369) | ND(0.0363) | ND(0.0336) | ND(0.0338) | ND(0.0343) | ND(0.0352) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0354) | ND(0.0768) | ND(0.0384) | ND(0.0362) | ND(0.183) | ND(0.0401) | ND(0.0354) | ND(3.85) | ND(3.72) | ND(0.18) | ND(0.0358) | ND(0.184) JL | ND(0.182) | 0.101 | ND(0.0363) | ND(0.374) | ND(0.0348) | ND(0.0369) | ND(0.0363) | ND(0.0336) | ND(0.0338) | ND(0.0343) | ND(0.0352) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0354) | ND(0.0768) | ND(0.0384) | ND(0.0362) | 0.964 | ND(0.0401) | ND(0.0354) | **10.4** | **13.1** | 1.79 | ND(0.0358) | 0.818 JL | 1.25 | ND(0.0379) | 0.386 | 2.13 | ND(0.0348) | 0.748 | 0.132 | ND(0.0336) | ND(0.0338) | ND(0.0343) | 0.0955 |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0354) | 0.488 | 0.101 | ND(0.0362) | 0.981 | ND(0.0401) | ND(0.0354) | 5.49 | 7.08 | 0.863 | ND(0.0358) | 0.864 JL | 1.21 | 0.13 | ND(0.0363) | ND(0.374) | 0.167 | 0.888 | 0.11 | ND(0.0336) | ND(0.0338) | ND(0.0343) | 0.0694 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0354) | ND(0.0768) | ND(0.0384) | ND(0.0362) | ND(0.183) | ND(0.0401) | ND(0.0354) | ND(3.85) | ND(3.72) | ND(0.18) | ND(0.0358) | ND(0.184) JL | ND(0.182) | ND(0.0379) | ND(0.0363) | ND(0.374) | ND(0.0348) | ND(0.0369) | ND(0.0363) | ND(0.0336) | ND(0.0338) | ND(0.0343) | ND(0.0352) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0354) | ND(0.0768) | ND(0.0384) | ND(0.0362) | ND(0.183) | ND(0.0401) | ND(0.0354) | ND(3.85) | ND(3.72) | ND(0.18) | ND(0.0358) | ND(0.184) JL | ND(0.182) | ND(0.0379) | ND(0.0363) | ND(0.374) | ND(0.0348) | ND(0.0369) | ND(0.0363) | ND(0.0336) | ND(0.0338) | ND(0.0343) | ND(0.0352) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0354) | ND(0.0768) | ND(0.0384) | ND(0.0362) | ND(0.183) | ND(0.0401) | ND(0.0354) | ND(3.85) | ND(3.72) | ND(0.18) | ND(0.0358) | ND(0.184) JL | ND(0.182) | ND(0.0379) | ND(0.0363) | ND(0.374) | ND(0.0348) | ND(0.0369) | ND(0.0363) | ND(0.0336) | ND(0.0338) | ND(0.0343) | ND(0.0352) |
| | | | | | | ND(0.0354) | 0.488 | 0.101 | ND(0.0362) | 1.945 | ND(0.0401) | ND(0.0354) | **15.89** | **20.18** | 2.653 | ND(0.0358) | 1.682 JL | 2.46 | 0.231 | 0.386 | 2.13 | 0.167 | 1.636 | 0.242 | ND(0.0336) | ND(0.0338) | ND(0.0343) | 0.1649 |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-169 (0'-1') | SB-169 (1'-2') | SB-169 (2'-3') | SB-169 (3'-4') | SB-171 (0'-1') | SB-171 (1'-2') | SB-171 (2'-3') | SB-171 (3'-4') | SB-172 (0'-1') | SB-172 (1'-2') | SB-172-DUP (1'-2') | SB-172 (2'-3') | SB-172 (4'-5') | SB-172 (5'-6') | SB-173 (0'-1') | SB-173 (1'-2') | SB-173 (2'-3') | SB-173 (3'-4') | SB-173 (4'-5') | SB-173 (5'-6') | SB-174 (0'-1') | SB-174 (1'-2') | SB-174 (2'-3') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0337) | ND(0.0341) | ND(0.0342) | ND(0.346) | ND(1.68) | ND(3.71) | ND(16.1) | ND(24.5) | ND(0.161) | ND(0.679) | ND(0.572) | ND(0.354) | ND(0.858) | ND(0.172) | ND(0.0343) | ND(0.68) | ND(3.18) | ND(3.3) | ND(0.0366) | ND(0.0449) | ND(0.131) | ND(0.369) | ND(0.0334) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0337) | ND(0.0341) | ND(0.0342) | ND(0.346) | ND(1.68) | ND(3.71) | ND(16.1) | ND(24.5) | ND(0.161) | ND(0.679) | ND(0.572) | ND(0.354) | ND(0.858) | ND(0.172) | ND(0.0343) | ND(0.68) | ND(3.18) | ND(3.3) | ND(0.0366) | ND(0.0449) | ND(0.131) | ND(0.369) | ND(0.0334) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0337) | ND(0.0341) | ND(0.0342) | ND(0.346) | ND(1.68) | ND(3.71) | ND(16.1) | ND(24.5) | ND(0.161) | ND(0.679) | ND(0.572) | ND(0.354) | ND(0.858) | ND(0.172) | ND(0.0343) | ND(0.68) | ND(3.18) | ND(3.3) | ND(0.0366) | ND(0.0449) | ND(0.131) | ND(0.369) | ND(0.0334) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0337) | ND(0.0341) | ND(0.0342) | ND(0.346) | ND(1.68) | ND(3.71) | ND(16.1) | ND(24.5) | ND(0.161) | ND(0.679) | ND(0.572) | ND(0.354) | ND(0.858) | ND(0.172) | ND(0.0343) | ND(0.68) | ND(3.18) | ND(3.3) | ND(0.0366) | ND(0.0449) | ND(0.131) | ND(0.369) | ND(0.0334) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 0.046 | ND(0.0341) | ND(0.0342) | 1.71 | 8.98 | **49.2** | **60.2** | **85.6** | 0.388 | 1.57 | 2.2 | 2.54 | 5.49 | 0.89 | 0.327 | 5.44 | **16.2** | **16.5** | 0.456 | ND(0.0449) | 0.588 | 5.6 | ND(0.0334) |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0337) | ND(0.0341) | ND(0.0342) | 1.33 | 3.98 | **17.4** | **19.9** | **32.6** | ND(0.161) | 1.46 | 2.43 | 1.86 | 2.63 | 0.172 | 0.358 | 2.62 | 4.99 | 4.93 | 0.462 | ND(0.0449) | 0.471 | 2.75 | ND(0.0334) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0337) | ND(0.0341) | ND(0.0342) | ND(0.346) | ND(1.68) | ND(3.71) | ND(16.1) | ND(24.5) | ND(0.161) | ND(0.679) | ND(0.572) | ND(0.354) | ND(0.858) | ND(0.172) | 0.0412 | ND(0.68) | ND(3.18) | ND(3.3) | ND(0.0366) | ND(0.0449) | ND(0.131) | ND(0.369) | ND(0.0334) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0337) | ND(0.0341) | ND(0.0342) | ND(0.346) | ND(1.68) | ND(3.71) | ND(16.1) | ND(24.5) | ND(0.161) | ND(0.679) | ND(0.572) | ND(0.354) | ND(0.858) | ND(0.172) | ND(0.0343) | ND(0.68) | ND(3.18) | ND(3.3) | ND(0.0366) | ND(0.0449) | ND(0.131) | ND(0.369) | ND(0.0334) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0337) | ND(0.0341) | ND(0.0342) | ND(0.346) | ND(1.68) | ND(3.71) | ND(16.1) | ND(24.5) | ND(0.161) | ND(0.679) | ND(0.572) | ND(0.354) | ND(0.858) | ND(0.172) | ND(0.0343) | ND(0.68) | ND(3.18) | ND(3.3) | ND(0.0366) | ND(0.0449) | ND(0.131) | ND(0.369) | ND(0.0334) |
| | | | | | | 0.046 | ND(0.0341) | ND(0.0342) | 3.040 | **12.96** | **66.6** | **80.1** | **118.2** | 0.388 | 3.030 | 4.63 | 4.40 | 8.12 | 1.062 | 0.7262 | 8.06 | **21.19** | **21.43** | 0.92 | ND (0.0449) | 1.059 | 8.35 | ND(0.0334) |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-174 (3'-4') | SB-175 (0'-1') | SB-175 (1'-2') | SB-175 (2'-3') | SB-175 (3'-4') | SB-176 (0'-1') | SB-176 (1'-2') | SB-176 (2'-3') | SB-176-DUP (2'-3') | SB-176 (3'-4') | SB-176 (4'-5') | SB-176 (5'-6') | SB-176 (6'-7') | SB-176 (7'-8') | SB-177 (0'-1') | SB-177 (1'-2') | SB-177 (2'-3') | SB-177 (3'-4') | SB-178 (0'-1') | SB-178 (1'-2') | SB-178 (2'-3') | SB-179 (0'-1') | SB-179 (1'-2') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0319) | ND(0.157) | ND(0.158) | ND(1.64) | ND(0.0337) | ND(0.0304) | ND(0.168) | ND(1.63) | ND(1.34) | ND(0.319) | ND(0.0356) | ND(0.0347) | ND(0.0329) | ND(0.0336) | ND(0.0331) | ND(0.324) | ND(0.17) | ND(0.0354) | ND(0.0333) | ND(0.0333) | ND(0.0337) | ND(0.0332) | ND(0.0306) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0319) | ND(0.157) | ND(0.158) | ND(1.64) | ND(0.0337) | ND(0.0304) | ND(0.168) | ND(1.63) | ND(1.34) | ND(0.319) | ND(0.0356) | ND(0.0347) | ND(0.0329) | ND(0.0336) | ND(0.0331) | ND(0.324) | ND(0.17) | ND(0.0354) | ND(0.0333) | ND(0.0333) | ND(0.0337) | ND(0.0332) | ND(0.0306) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0319) | ND(0.157) | ND(0.158) | ND(1.64) | ND(0.0337) | ND(0.0304) | ND(0.168) | ND(1.63) | ND(1.34) | ND(0.319) | ND(0.0356) | ND(0.0347) | ND(0.0329) | ND(0.0336) | ND(0.0331) | ND(0.324) | ND(0.17) | ND(0.0354) | ND(0.0333) | ND(0.0333) | ND(0.0337) | ND(0.0332) | ND(0.0306) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0319) | ND(0.157) | ND(0.158) | ND(1.64) | ND(0.0337) | ND(0.0304) | ND(0.168) | ND(1.63) | ND(1.34) | ND(0.319) | ND(0.0356) | ND(0.0347) | ND(0.0329) | ND(0.0336) | ND(0.0331) | ND(0.324) | ND(0.17) | ND(0.0354) | ND(0.0333) | ND(0.0333) | ND(0.0337) | ND(0.0332) | ND(0.0306) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 0.807 | 1.5 | 0.613 | **10.1** | 0.388 | ND(0.0304) | 1.2 | 8.41 | 6.45 | 3.24 | ND(0.0356) | ND(0.0347) | ND(0.0329) | ND(0.0336) | 0.455 | 1.32 | 0.786 | 0.305 | ND(0.0333) | ND(0.0333) | ND(0.0337) | ND(0.0332) | ND(0.0306) |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 0.0431 | 1.17 | 0.631 | ND(1.64) | 0.184 | 0.0389 | 1.74 | 3.78 | 5.31 | 1.91 | ND(0.0356) | ND(0.0347) | ND(0.0329) | ND(0.0336) | 0.531 | 1.12 | 0.754 | 0.317 | ND(0.0333) | ND(0.0333) | ND(0.0337) | ND(0.0332) | ND(0.0306) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0319) | ND(0.157) | ND(0.158) | ND(1.64) | ND(0.0337) | ND(0.0304) | ND(0.168) | ND(1.63) | ND(1.34) | ND(0.319) | ND(0.0356) | ND(0.0347) | ND(0.0329) | ND(0.0336) | ND(0.0331) | ND(0.324) | ND(0.17) | ND(0.0354) | ND(0.0333) | ND(0.0333) | ND(0.0337) | ND(0.0332) | ND(0.0306) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0319) | ND(0.157) | ND(0.158) | ND(1.64) | ND(0.0337) | ND(0.0304) | ND(0.168) | ND(1.63) | ND(1.34) | ND(0.319) | ND(0.0356) | ND(0.0347) | ND(0.0329) | ND(0.0336) | ND(0.0331) | ND(0.324) | ND(0.17) | ND(0.0354) | ND(0.0333) | ND(0.0333) | ND(0.0337) | ND(0.0332) | ND(0.0306) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0319) | ND(0.157) | ND(0.158) | ND(1.64) | ND(0.0337) | ND(0.0304) | ND(0.168) | ND(1.63) | ND(1.34) | ND(0.319) | 0.0462 | ND(0.0347) | ND(0.0329) | ND(0.0336) | ND(0.0331) | ND(0.324) | ND(0.17) | ND(0.0354) | ND(0.0333) | ND(0.0333) | ND(0.0337) | ND(0.0332) | ND(0.0306) |
| | | | | | | 0.8501 | 2.67 | 1.244 | **10.1** | 0.572 | 0.039 | 2.94 | **12.19** | **11.76** | 5.15 | 0.0462 | ND (0.0347) | ND (0.0329) | ND (0.0336) | 0.986 | 2.44 | 1.540 | 0.622 | ND(0.0333) | ND(0.0333) | ND(0.0337) | ND(0.0332) | ND(0.0306) |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-179 (2'-3') | SB-179 (3'-4') | SB-180 (0'-1') | SB-180 (1'-2') | SB-180 (2'-3') | SB-181 (0'-1') | SB-181-DUP (0'-1') | SB-181 (1'-2') | SB-181 (2'-3') | SB-182 (0'-1') | SB-182 (1'-2') | SB-182 (2'-3') | SB-183 (0'-1') | SB-183 (1'-2') | SB-183 (2'-3') | SB-184 (0'-1') | SB-184 (1'-2') | SB-184-DUP (1'-2') | SB-184 (2'-3') | SB-184A (1'-2') | SB-185 (0'-1') | SB-185 (1'-2') | SB-185 (2'-3') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0323) | ND(0.0335) | ND(0.0308) | ND(0.035) | ND(0.0345) | ND(0.0324) | ND(0.0319) | ND(0.0343) | ND(0.0323) | ND(0.0336) | ND(0.032) | ND(0.0314) | ND(0.0323) | ND(0.0327) | ND(0.0323) | ND(0.165) | ND(0.0336) | ND(0.0334) | ND(0.0349) | ND(0.034) | ND(0.678) | ND(0.034) | ND(0.0333) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0323) | ND(0.0335) | ND(0.0308) | ND(0.035) | ND(0.0345) | ND(0.0324) | ND(0.0319) | ND(0.0343) | ND(0.0323) | ND(0.0336) | ND(0.032) | ND(0.0314) | ND(0.0323) | ND(0.0327) | ND(0.0323) | ND(0.165) | ND(0.0336) | ND(0.0334) | ND(0.0349) | ND(0.034) | ND(0.678) | ND(0.034) | ND(0.0333) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0323) | ND(0.0335) | ND(0.0308) | ND(0.035) | ND(0.0345) | ND(0.0324) | ND(0.0319) | ND(0.0343) | ND(0.0323) | ND(0.0336) | ND(0.032) | ND(0.0314) | ND(0.0323) | ND(0.0327) | ND(0.0323) | ND(0.165) | ND(0.0336) | ND(0.0334) | ND(0.0349) | ND(0.034) | ND(0.678) | ND(0.034) | ND(0.0333) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0323) | ND(0.0335) | ND(0.0308) | ND(0.035) | ND(0.0345) | ND(0.0324) | ND(0.0319) | ND(0.0343) | ND(0.0323) | ND(0.0336) | ND(0.032) | ND(0.0314) | ND(0.0323) | ND(0.0327) | ND(0.0323) | ND(0.165) | ND(0.0336) | ND(0.0334) | ND(0.0349) | ND(0.034) | ND(0.678) | ND(0.034) | ND(0.0333) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0323) | ND(0.0335) | ND(0.0308) | ND(0.035) | ND(0.0345) | ND(0.0324) | ND(0.0319) | ND(0.0343) | ND(0.0323) | ND(0.0336) | ND(0.032) | ND(0.0314) | 0.0425 | ND(0.0327) | ND(0.0323) | 0.633 | 0.299 | 0.321 | 0.255 | 0.321 | 1.84 | 0.348 | 0.348 |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0323) | ND(0.0335) | ND(0.0308) | ND(0.035) | ND(0.0345) | ND(0.0324) | ND(0.0319) | ND(0.0343) | ND(0.0323) | ND(0.0336) | ND(0.032) | ND(0.0314) | ND(0.0323) | ND(0.0327) | ND(0.0323) | 0.513 | 0.353 | 0.422 | 0.211 | 0.422 | 2.09 | 0.441 | 0.482 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0323) | ND(0.0335) | ND(0.0308) | ND(0.035) | ND(0.0345) | ND(0.0324) | ND(0.0319) | ND(0.0343) | ND(0.0323) | ND(0.0336) | ND(0.032) | ND(0.0314) | ND(0.0323) | ND(0.0327) | ND(0.0323) | ND(0.165) | 0.142 | 0.125 | 0.12 | 0.125 | ND(0.678) | 0.0821 | 0.0957 |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0323) | ND(0.0335) | ND(0.0308) | ND(0.035) | ND(0.0345) | ND(0.0324) | ND(0.0319) | ND(0.0343) | ND(0.0323) | ND(0.0336) | ND(0.032) | ND(0.0314) | ND(0.0323) | ND(0.0327) | ND(0.0323) | ND(0.165) | ND(0.0336) | ND(0.0334) | ND(0.0349) | ND(0.034) | ND(0.678) | ND(0.034) | ND(0.0333) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0323) | ND(0.0335) | ND(0.0308) | ND(0.035) | ND(0.0345) | ND(0.0324) | ND(0.0319) | ND(0.0343) | ND(0.0323) | ND(0.0336) | ND(0.032) | ND(0.0314) | ND(0.0323) | ND(0.0327) | ND(0.0323) | ND(0.165) | ND(0.0336) | ND(0.0334) | ND(0.0349) | ND(0.034) | ND(0.678) | ND(0.034) | ND(0.0333) |
| | | | | | | ND(0.0323) | ND(0.0335) | ND(0.0308) | ND(0.035) | ND(0.0345) | ND(0.0324) | ND(0.0319) | ND(0.0343) | ND(0.0323) | ND(0.0336) | ND(0.032) | ND(0.0314) | 0.0425 | ND(0.0327) | ND(0.0323) | 1.146 | 0.794 | 0.868 | 0.586 | 0.868 | 3.93 | 0.8711 | 0.9257 |

Notes:

1. BOLD Values Exceed the RIDEM Residential and Industrial Direct Exposure Criteria and the GB Leachability Criteria
2. BOLD Shaded (Yellow) Values are greater than 50 mg/kg (TSCA).
3. "ND" = Not detected above the presented laboratory reporting limit
4. "P" = The relative percent difference between the two columns exceeds the method specific criteria. The higher of the two results is shown.
5. Results qualified as estimated "J" and non-detects estimated "UJ" have field duplicate samples with relative percent differences above acceptance criteria
6. "JL" = Estimated value with potential low bias because sample was extracted after the 14-day holding time
7. The method blank associated with samples qualified with "B", has a concentration above the reporting limit for a specified Aroclor.

# Table 1
## Soil Data - PCBs
## 1 India Street, Providence, Rhode Island

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-186 (0'-1') | SB-186 (1'-2') | SB-186 (2'-3') | SB-187 (0'-1') | SB-187 (1'-2') | SB-187 (2'-3') | SB-188 (0'-1') | SB-188 (1'-2') | SB-188 (2'-3') | SB-188 (3'-4') | SB-189 (0'-1') | SB-189 (1'-2') | SB-189 (2'-3') | SB-190 (0'-1') | SB-190 (1'-2') | SB-190 (2'-3') | SB-190 (3'-4') | SB-191 (0'-1') | SB-191 (1'-2') | SB-191 (2'-3') | SB-191 (3'-4') | SB-192 (0'-1') | SB-192 (1'-2') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.034) | ND(0.034) | ND(0.0336) | ND(0.0336) | ND(0.0334) | ND(0.034) | ND(0.0331) | ND90.033) | ND(0.0346) | ND(0.0327) | ND(0.173) | ND(0.0305) | ND(0.0321) | ND(0.649) | ND(1.79) | ND(0.48) | ND(0.174) | ND(0.0331) | ND(0.333) | ND(0.174) | ND(0.038) | (ND(0.335) | ND(0.337) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.034) | ND(0.034) | ND(0.0336) | ND(0.0336) | ND(0.0334) | ND(0.034) | ND(0.0331) | ND90.033) | ND(0.0346) | ND(0.0327) | ND(0.173) | ND(0.0305) | ND(0.0321) | ND(0.649) | ND(1.79) | ND(0.48) | ND(0.174) | ND(0.0331) | ND(0.333) | ND(0.174) | ND(0.038) | (ND(0.335) | ND(0.337) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.034) | ND(0.034) | ND(0.0336) | ND(0.0336) | ND(0.0334) | ND(0.034) | ND(0.0331) | ND90.033) | ND(0.0346) | ND(0.0327) | ND(0.173) | ND(0.0305) | ND(0.0321) | ND(0.649) | ND(1.79) | ND(0.48) | ND(0.174) | ND(0.0331) | ND(0.333) | ND(0.174) | ND(0.038) | (ND(0.335) | ND(0.337) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.034) | ND(0.034) | ND(0.0336) | ND(0.0336) | ND(0.0334) | ND(0.034) | ND(0.0331) | ND90.033) | ND(0.0346) | ND(0.0327) | ND(0.173) | ND(0.0305) | ND(0.0321) | ND(0.649) | ND(1.79) | ND(0.48) | ND(0.174) | ND(0.0331) | ND(0.333) | ND(0.174) | ND(0.038) | (ND(0.335) | ND(0.337) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 0.0557 | ND(0.034) | ND(0.0336) | 0.249 | ND(0.0334) | ND(0.034) | 0.472 | 0.24 | 0.487 | ND(0.0327) | 0.221 | ND(0.0305) | ND(0.0321) | 2.66 | 6.8 | 2.88 | 0.55 | 0.11 | 0.822 | 0.768 | 0.194 | 1.63 | 2.53 |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | ND(0.034) | ND(0.034) | ND(0.0336) | 0.258 | 0.0379 | ND(0.034) | 0.559 | 0.305 | 0.533 | ND(0.0327) | ND(0.173) | ND(0.0305) | ND(0.0321) | 2.11 | 5.03 | 2.28 | 0.515 | 0.186 | 1.01 | 0.694 | 0.116 | 1.88 | 2.46 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.034) | ND(0.034) | ND(0.0336) | ND(0.0336) | 0.0474 | ND(0.034) | 0.15 | 0.112 | 0.127 | ND(0.0327) | ND(0.173) | ND(0.0305) | ND(0.0321) | ND(0.649) | ND(1.79) | ND(0.48) | ND(0.174) | ND(0.0331) | ND(0.333) | ND(0.174) | ND(0.038) | (ND(0.335) | ND(0.337) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.034) | ND(0.034) | ND(0.0336) | ND(0.0336) | ND(0.0334) | ND(0.034) | ND(0.0331) | ND90.033) | ND(0.0346) | ND(0.0327) | ND(0.173) | ND(0.0305) | ND(0.0321) | ND(0.649) | ND(1.79) | ND(0.48) | ND(0.174) | ND(0.0331) | ND(0.333) | ND(0.174) | ND(0.038) | (ND(0.335) | ND(0.337) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.034) | ND(0.034) | ND(0.0336) | ND(0.0336) | ND(0.0334) | ND(0.034) | ND(0.0331) | ND90.033) | ND(0.0346) | ND(0.0327) | ND(0.173) | ND(0.0305) | ND(0.0321) | ND(0.649) | ND(1.79) | ND(0.48) | ND(0.174) | ND(0.0331) | ND(0.333) | ND(0.174) | ND(0.038) | (ND(0.335) | ND(0.337) |
| | | | | | | 0.0557 | ND(0.034) | ND(0.0336) | 0.507 | 0.0853 | ND(0.034) | 1.181 | 0.657 | 1.147 | ND (0.0327) | 0.221 | ND(0.0305) | ND(0.0321) | 4.77 | **11.83** | 5.16 | 1.065 | 0.296 | 1.832 | 1.462 | 0.310 | 3.51 | 4.99 |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-192 (2'-3') | SB-192 (3'-4') | SB-193 (0'-1') | SB-193 (1'-2') | SB-193 (2'-3') | SB-194 (0'-1') | SB-194 (1'-2') | SB-194 (2'-3') | SB-196 (0'-1') | SB-196 (1'-2') | SB-196 (2'-3') | SB-196 (3'-4') | SB-197 (0'-1') | SB-197 (1'-2') | SB-197 (2'-3') | SB-199 (0.5'-1.5') | SB-199 (1.5'-2.5') | SB-199 (2.5'-3.5') | SB-199 (3.5'-4.5') | SB-200 (0.5'-1.5') | SB-200 (1.5'-2.5') | SB-200 (2.5'-3.5') | SB-200 (3.5'-4.5') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/5/2011 | 8/4/2011 | 8/4/2011 | 8/4/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.17) | ND(0.0336) | ND(0.169) | ND(0.17) | ND(0.0356) | ND(0.0319) | ND(0.0344) | ND(0.0349) | ND(0.0351) | ND(0.0362) | ND(0.176) | ND(0.0372) | ND(0.0351) | ND(0.0353) | ND(0.0354) | ND(0.0354) | ND(0.0325) | ND(0.103) | ND(0.0355) | ND(0.0365) | ND(0.171) | ND(0.0337) | ND(0.0387) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.17) | ND(0.0336) | ND(0.169) | ND(0.17) | ND(0.0356) | ND(0.0319) | ND(0.0344) | ND(0.0349) | ND(0.0351) | ND(0.0362) | ND(0.176) | ND(0.0372) | ND(0.0351) | ND(0.0353) | ND(0.0354) | ND(0.0354) | ND(0.0325) | ND(0.103) | ND(0.0355) | ND(0.0365) | ND(0.171) | ND(0.0337) | ND(0.0387) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.17) | ND(0.0336) | ND(0.169) | ND(0.17) | ND(0.0356) | ND(0.0319) | ND(0.0344) | ND(0.0349) | ND(0.0351) | ND(0.0362) | ND(0.176) | ND(0.0372) | ND(0.0351) | ND(0.0353) | ND(0.0354) | ND(0.0354) | ND(0.0325) | ND(0.103) | ND(0.0355) | ND(0.0365) | ND(0.171) | ND(0.0337) | ND(0.0387) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.17) | ND(0.0336) | ND(0.169) | ND(0.17) | ND(0.0356) | ND(0.0319) | ND(0.0344) | ND(0.0349) | ND(0.0351) | ND(0.0362) | ND(0.176) | ND(0.0372) | ND(0.0351) | ND(0.0353) | ND(0.0354) | ND(0.0354) | ND(0.0325) | ND(0.103) | ND(0.0355) | ND(0.0365) | ND(0.171) | ND(0.0337) | ND(0.0387) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 0.916 | 0.067 | 4.2 | 0.876 | 0.262 | 0.0337 | ND(0.0344) | ND(0.0349) | ND(0.0351) | ND(0.0362) | 1.56 | ND(0.0372) | ND(0.0351) | ND(0.0353) | 0.36 | ND(0.0354) | ND(0.0325) | ND(0.103) | ND(0.0355) | ND(0.0365) | ND(0.171) | ND(0.0337) | ND(0.0387) |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 0.88 | 0.0762 | 2.86 | 0.887 | 0.241 | ND(0.0319) | ND(0.0344) | ND(0.0349) | ND(0.0351) | ND(0.0362) | 1.3 | ND(0.0372) | ND(0.0351) | ND(0.0353) | 0.247 | ND(0.0354) | ND(0.0325) | ND(0.103) | ND(0.0355) | ND(0.0365) | ND(0.171) | ND(0.0337) | ND(0.0387) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.17) | ND(0.0336) | ND(0.169) | ND(0.17) | ND(0.0356) | ND(0.0319) | ND(0.0344) | ND(0.0349) | ND(0.0351) | ND(0.0362) | ND(0.176) | ND(0.0372) | ND(0.0351) | ND(0.0353) | 0.0371 | ND(0.0354) | ND(0.0325) | ND(0.103) | ND(0.0355) | ND(0.0365) | ND(0.171) | ND(0.0337) | ND(0.0387) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.17) | ND(0.0336) | ND(0.169) | ND(0.17) | ND(0.0356) | ND(0.0319) | ND(0.0344) | ND(0.0349) | ND(0.0351) | ND(0.0362) | ND(0.176) | ND(0.0372) | ND(0.0351) | ND(0.0353) | ND(0.0354) | ND(0.0354) | ND(0.0325) | ND(0.103) | ND(0.0355) | ND(0.0365) | ND(0.171) | ND(0.0337) | ND(0.0387) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.17) | ND(0.0336) | ND(0.169) | ND(0.17) | ND(0.0356) | ND(0.0319) | ND(0.0344) | ND(0.0349) | ND(0.0351) | ND(0.0362) | ND(0.176) | ND(0.0372) | ND(0.0351) | ND(0.0353) | ND(0.0354) | ND(0.0354) | ND(0.0325) | ND(0.103) | ND(0.0355) | ND(0.0365) | ND(0.171) | ND(0.0337) | ND(0.0387) |
| | | | | | | 1.7960 | 0.1432 | 7.06 | 1.763 | 0.503 | 0.034 | ND(0.0344) | ND(0.0349) | ND(0.0351) | ND(0.0362) | 2.86 | ND(0.0372) | ND(0.0351) | ND(0.0353) | 0.6441 | ND(0.0354) | ND(0.0325) | ND(0.103) | ND(0.0355) | ND(0.0365) | ND(0.171) | ND(0.0337) | ND(0.0387) |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-201 (0'-1') | SB-201 (1'-2') | SB-201 (2'-3') | SB-201 (3'-4') | SB-202 (0'-1') | SB-202 (1'-2') | SB-202 (2'-3') | SB-202 (3'-4') | SB-203 (0'-1') | SB-203 (1'-2') | SB-203 (2'-3') | SB-203 (3'-4') | SB-204 (0'-1') | SB-204 (1'-2') | SB-204 (2'-3') | SB-204 (3'-4') | SB-204 (4'-5') | SB-205 (0'-1') | SB-205 (1'-2') | SB-205 (2'-3') | SB-205 (3'-4') | SB-205 (4'-5') | SB-205-DUP (6'-7') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0341) | ND(0.034) | ND(0.0344) | ND(0.0359) | ND(0.0354) | ND(0.0677) | ND(0.176) | ND(0.701) | ND(0.0347) | ND(0.0338) | ND(0.0729) | ND(0.0362) | ND(0.0361) | ND(0.0345) | ND(0.0341) | ND(0.0354) | ND(0.037) | ND(0.033) | ND(0.0716) | ND(0.0352) | ND(0.0339) | ND(0.0339) | ND(0.0352) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0341) | ND(0.034) | ND(0.0344) | ND(0.0359) | ND(0.0354) | ND(0.0677) | ND(0.176) | ND(0.701) | ND(0.0347) | ND(0.0338) | ND(0.0729) | ND(0.0362) | ND(0.0361) | ND(0.0345) | ND(0.0341) | ND(0.0354) | ND(0.037) | ND(0.033) | ND(0.0716) | ND(0.0352) | ND(0.0339) | ND(0.0339) | ND(0.0352) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0341) | ND(0.034) | ND(0.0344) | ND(0.0359) | ND(0.0354) | ND(0.0677) | ND(0.176) | ND(0.701) | ND(0.0347) | ND(0.0338) | ND(0.0729) | ND(0.0362) | ND(0.0361) | ND(0.0345) | ND(0.0341) | ND(0.0354) | ND(0.037) | ND(0.033) | ND(0.0716) | ND(0.0352) | ND(0.0339) | ND(0.0339) | ND(0.0352) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0341) | ND(0.034) | ND(0.0344) | ND(0.0359) | ND(0.0354) | ND(0.0677) | ND(0.176) | ND(0.701) | ND(0.0347) | ND(0.0338) | ND(0.0729) | ND(0.0362) | ND(0.0361) | ND(0.0345) | ND(0.0341) | ND(0.0354) | ND(0.037) | ND(0.033) | ND(0.0716) | ND(0.0352) | ND(0.0339) | ND(0.0339) | ND(0.0352) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0341) | 0.146 | 0.115 | ND(0.0359) | ND(0.0354) | 0.402 | 0.778 | 5.01 | 0.339 | ND(0.0338) | ND(0.0729) | 0.368 | 0.0496 | ND(0.0345) | ND(0.0341) | ND(0.0354) | ND(0.037) | ND(0.033) | 0.523 | ND(0.0352) | ND(0.0339) | ND(0.0339) | ND(0.0352) |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0341) | 0.129 | 0.0772 | ND(0.0359) | ND(0.0354) | 0.335 | 0.421 | 2.73 | 0.337 | ND(0.0338) | ND(0.0729) | 0.375 | 0.0851 | ND(0.0345) | ND(0.0341) | ND(0.0354) | ND(0.037) | ND(0.033) | 0.312 | 0.0356 | ND(0.0339) | ND(0.0339) | ND(0.0352) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0341) | ND(0.034) | ND(0.0344) | ND(0.0359) | ND(0.0354) | 0.0744 | ND(0.176) | ND(0.701) | ND(0.0347) | ND(0.0338) | ND(0.0729) | ND(0.0362) | ND(0.0361) | ND(0.0345) | ND(0.0341) | ND(0.0354) | ND(0.037) | ND(0.033) | ND(0.0716) | ND(0.0352) | ND(0.0339) | ND(0.0339) | ND(0.0352) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0341) | ND(0.034) | ND(0.0344) | ND(0.0359) | ND(0.0354) | ND(0.0677) | ND(0.176) | ND(0.701) | ND(0.0347) | ND(0.0338) | ND(0.0729) | ND(0.0362) | ND(0.0361) | ND(0.0345) | ND(0.0341) | ND(0.0354) | ND(0.037) | ND(0.033) | ND(0.0716) | ND(0.0352) | ND(0.0339) | ND(0.0339) | ND(0.0352) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0341) | ND(0.034) | ND(0.0344) | ND(0.0359) | ND(0.0354) | ND(0.0677) | ND(0.176) | ND(0.701) | ND(0.0347) | ND(0.0338) | ND(0.0729) | ND(0.0362) | ND(0.0361) | ND(0.0345) | ND(0.0341) | ND(0.0354) | ND(0.037) | ND(0.033) | ND(0.0716) | ND(0.0352) | ND(0.0339) | ND(0.0339) | ND(0.0352) |
| | | | | | | ND(0.0341) | 0.275 | 0.1922 | ND(0.0359) | ND(0.0354) | 0.8114 | 1.199 | 7.74 | 0.676 | ND(0.0338) | ND(0.0729) | 0.743 | 0.1347 | ND(0.0345) | ND(0.0341) | ND(0.0354) | ND(0.037) | ND(0.033) | 0.835 | 0.0356 | ND(0.0339) | ND(0.0339) | ND(0.0352) |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-206 (0'-1') | SB-206 (1'-2') | SB-206 (2'-3') | SB-206 (3'-4') | SB-206 (4'-5') | SB-206 (5'-6') | SB-206 (6'-7') | SB-206 (7'-8') | SB-207 (0'-1') | SB-207 (1'-2') | SB-207 (2'-3') | SB-207 (3'-4') | SB-207 (4'-5') | SB-207 (5'-6') | SB-207 (6'-7') | SB-207 (7'-8') | SB-208 (0'-1') | SB-208 (1'-2') | SB-208 (2'-3') | SB-208 (3'-4') | SB-208 (4'-5') | SB-208 (5'-6') | SB-208 (6'-7') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.362) | ND(6.94) | ND(71.3) | ND(14.8) | ND(0.0854) | ND(1.82) | ND(0.0355) | ND(0.0359) | ND(1.78) | ND(3.71) | ND(0.697) | ND(176) | ND(0.0406) | ND(35.6) | ND(0.0463) | ND(0.0344) | ND(0.188) | ND(6.8) | ND(17.5) | ND(7.0) | ND(0.719) | ND(20.3) | ND(0.464) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.362) | ND(6.94) | ND(71.3) | ND(14.8) | ND(0.0854) | ND(1.82) | ND(0.0355) | ND(0.0359) | ND(1.78) | ND(3.71) | ND(0.697) | ND(176) | ND(0.0406) | ND(35.6) | ND(0.0463) | ND(0.0344) | ND(0.188) | ND(6.8) | ND(17.5) | ND(7.0) | ND(0.719) | ND(20.3) | ND(0.464) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.362) | ND(6.94) | ND(71.3) | ND(14.8) | ND(0.0854) | ND(1.82) | ND(0.0355) | ND(0.0359) | ND(1.78) | ND(3.71) | ND(0.697) | ND(176) | ND(0.0406) | ND(35.6) | ND(0.0463) | ND(0.0344) | ND(0.188) | ND(6.8) | ND(17.5) | ND(7.0) | ND(0.719) | ND(20.3) | ND(0.464) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.362) | ND(6.94) | ND(71.3) | ND(14.8) | ND(0.0854) | ND(1.82) | ND(0.0355) | ND(0.0359) | ND(1.78) | ND(3.71) | ND(0.697) | ND(176) | ND(0.0406) | ND(35.6) | ND(0.0463) | ND(0.0344) | ND(0.188) | ND(6.8) | ND(17.5) | ND(7.0) | ND(0.719) | ND(20.3) | ND(0.464) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 3.28 | **21.3** | **384** | **53.5** | 0.104 | **21.4** | 0.379 | ND(0.0359) | 9.82 | **27.9** | 4.01 | **636** | 0.0437 | **165** | 0.387 | ND(0.0344) | 1.5 | **84.1** | **196** | **26.8** | **10.4** | **171** | 1.94 |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 1.94 | **11.2** | **227** | **38** | 0.131 | **10.6** | ND(0.0355) | ND(0.0359) | ND(1.78) | ND(3.71) | ND(0.697) | ND(176) | ND(0.0406) | ND(35.6) | ND(0.0463) | ND(0.0344) | 0.793 | **29.9** | **58.8** | 9.57 | 2.94 | ND(20.3) | ND(0.464) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.362) | ND(6.94) | ND(71.3) | ND(14.8) | 0.0922 | ND(1.82) | ND(0.0355) | ND(0.0359) | ND(1.78) | ND(3.71) | ND(0.697) | ND(176) | ND(0.0406) | ND(35.6) | ND(0.0463) | ND(0.0344) | ND(0.188) | ND(6.8) | ND(17.5) | ND(7.0) | ND(0.719) | ND(20.3) | ND(0.464) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.362) | ND(6.94) | ND(71.3) | ND(14.8) | ND(0.0854) | ND(1.82) | ND(0.0355) | ND(0.0359) | ND(1.78) | ND(3.71) | ND(0.697) | ND(176) | ND(0.0406) | ND(35.6) | ND(0.0463) | ND(0.0344) | ND(0.188) | ND(6.8) | ND(17.5) | ND(7.0) | ND(0.719) | ND(20.3) | ND(0.464) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.362) | ND(6.94) | ND(71.3) | ND(14.8) | ND(0.0854) | ND(1.82) | ND(0.0355) | ND(0.0359) | ND(1.78) | ND(3.71) | ND(0.697) | ND(176) | ND(0.0406) | ND(35.6) | ND(0.0463) | ND(0.0344) | ND(0.188) | ND(6.8) | ND(17.5) | ND(7.0) | ND(0.719) | ND(20.3) | ND(0.464) |
| | | | | | | 5.22 | **32.5** | **611** | **91.5** | 0.3272 | **32** | 0.379 | ND(0.0359) | 9.82 | **27.9** | 4.01 | **636** | 0.0437 | **165** | 0.387 | ND(0.0344) | 2.293 | **114** | **254.8** | **36.37** | **13.34** | **171** | 1.94 |

Notes:

1. BOLD Values Exceed the RIDEM Residential and Industrial Direct Exposure Criteria and the GB Leachability Criteria
2. BOLD Shaded (Yellow) Values are greater than 50 mg/kg (TSCA).
3. "ND" = Not detected above the presented laboratory reporting limit
4. "P" = The relative percent difference between the two columns exceeds the method specific criteria. The higher of the two results is shown.
5. Results qualified as estimated "J" and non-detects estimated "UJ" have field duplicate samples with relative percent differences above acceptance criteria
6. "JL" = Estimated value with potential low bias because sample was extracted after the 14-day holding time
7. The method blank associated with samples qualified with "B", has a concentration above the reporting limit for a specified Aroclor.

# Table 1
## Soil Data - PCBs
## 1 India Street, Providence, Rhode Island

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-208 (7'-8') | SB-209 (0'-1') | SB-209 (1'-2') | SB-209-DUP (1'-2') | SB-209 (2'-3') | SB-209 (3'-4') | SB-209 (4'-5') | SB-209 (5'-6') | SB-209 (6'-7') | SB-209 (7'-8') | SB-210 (0'-1') | SB-210 (1'-2') | SB-210 (2'-3') | SB-210 (3'-4') | SB-210 (4'-5') | SB-210 (5'-6') | SB-210 (6'-7') | SB-210 (7'-8') | SB-211 (0'-1') | SB-211 (1'-2') | SB-211 (2'-3') | SB-211 (3'-4') | SB-211 (4'-5') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0346) | ND(0.392) | ND(168) | ND(71.9) | ND(7.06) | ND(0.173) | ND(0.0354) | ND(3.73) | ND(0.0451) | ND(0.0362) | ND(7.56) | ND(83.8) | ND(34.8) | ND(0.0372) | ND(3.59) | ND(6.86) | ND(6.71) | ND(0.0376) | ND(1.42) | ND(0.0383) | ND(0.0418) | ND(0.0442) | ND(0.0341) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0346) | ND(0.392) | ND(168) | ND(71.9) | ND(7.06) | ND(0.173) | ND(0.0354) | ND(3.73) | ND(0.0451) | ND(0.0362) | ND(7.56) | ND(83.8) | ND(34.8) | ND(0.0372) | ND(3.59) | ND(6.86) | ND(6.71) | ND(0.0376) | ND(1.42) | ND(0.0383) | ND(0.0418) | ND(0.0442) | ND(0.0341) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0346) | ND(0.392) | ND(168) | ND(71.9) | ND(7.06) | ND(0.173) | ND(0.0354) | ND(3.73) | ND(0.0451) | ND(0.0362) | ND(7.56) | ND(83.8) | ND(34.8) | ND(0.0372) | ND(3.59) | ND(6.86) | ND(6.71) | ND(0.0376) | ND(1.42) | ND(0.0383) | ND(0.0418) | ND(0.0442) | ND(0.0341) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0346) | ND(0.392) | ND(168) | ND(71.9) | ND(7.06) | ND(0.173) | ND(0.0354) | ND(3.73) | ND(0.0451) | ND(0.0362) | ND(7.56) | ND(83.8) | ND(34.8) | ND(0.0372) | ND(3.59) | ND(6.86) | ND(6.71) | ND(0.0376) | ND(1.42) | ND(0.0383) | ND(0.0418) | ND(0.0442) | ND(0.0341) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0346) | 5.13 | **690** | **356** | **54.9** | 1.67 | 0.0363 | **14.7** | ND(0.0451) | ND(0.0362) | **55.6** | **241** | **106** | 0.114 | **22.1** | **66.5** | **47.2** | ND(0.0376) | 6.03 | ND(0.0383) | ND(0.0418) | ND(0.0442) | ND(0.0341) |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0346) | 2.12 | **269** | **152** | **30** | 0.338 | ND(0.0354) | 5.71 | ND(0.0451) | ND(0.0362) | ND(7.56) | ND(83.8) | ND(34.8) | ND(0.0372) | ND(3.59) | ND(6.86) | ND(6.71) | ND(0.0376) | 4.36 | ND(0.0383) | ND(0.0418) | ND(0.0442) | ND(0.0341) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0346) | ND(0.392) | ND(168) | ND(71.9) | ND(7.06) | ND(0.173) | ND(0.0354) | ND(3.73) | ND(0.0451) | ND(0.0362) | ND(7.56) | ND(83.8) | ND(34.8) | ND(0.0372) | ND(3.59) | ND(6.86) | ND(6.71) | ND(0.0376) | ND(1.42) | ND(0.0383) | ND(0.0418) | ND(0.0442) | ND(0.0341) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0346) | ND(0.392) | ND(168) | ND(71.9) | ND(7.06) | ND(0.173) | ND(0.0354) | ND(3.73) | ND(0.0451) | ND(0.0362) | ND(7.56) | ND(83.8) | ND(34.8) | ND(0.0372) | ND(3.59) | ND(6.86) | ND(6.71) | ND(0.0376) | ND(1.42) | ND(0.0383) | ND(0.0418) | ND(0.0442) | ND(0.0341) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0346) | ND(0.392) | ND(168) | ND(71.9) | ND(7.06) | ND(0.173) | ND(0.0354) | ND(3.73) | ND(0.0451) | ND(0.0362) | ND(7.56) | ND(83.8) | ND(34.8) | ND(0.0372) | ND(3.59) | ND(6.86) | ND(6.71) | ND(0.0376) | ND(1.42) | ND(0.0383) | ND(0.0418) | ND(0.0442) | ND(0.0341) |
| | | | | | | ND(0.0346) | 7.25 | **959** | **508** | **84.9** | 2.008 | 0.0363 | **20.41** | ND(0.0451) | ND(0.0362) | **55.6** | **241** | **106** | 0.114 | **22.1** | **66.5** | **47.2** | ND(0.0376) | **10.39** | ND(0.0383) | ND(0.0418) | ND(0.0442) | ND(0.0341) |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-211 (5'-6') | SB-211 (6'-7') | SB-211 (7'-8') | SB-212 (0'-1') | SB-212 (1'-2') | SB-212 (2'-3') | SB-212 (3'-4') | SB-212 (4'-5') | SB-213 (0'-1') | SB-213 (1'-2') | SB-213 (2'-3') | SB-213 (3'-4') | SB-213-DUP (3'-4') | SB-213 (4'-5') | SB-213 (5'-6') | SB-213 (6'-7') | SB-214 (0'-1') | SB-214 (1'-2') | SB-214 (2'-3') | SB-214 (3'-4') | SB-214 (4'-5') | SB-214 (5'-6') | SB-215 (0-1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 9/23/2011 | 12/2/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.188) | ND(0.0372) | ND(0.0345) | ND(0.0701) | ND(0.0359) | ND(0.0363) | ND(0.0364) | ND(0.036) | ND(3.6) | ND(3.42) | ND(3.57) | ND(0.373) | ND(0.037) | ND(0.0368) | ND(13.7) | ND(6.83) | ND(0.0376) | ND(0.0382) | ND(0.0386) | ND(0.0359) | ND(0.035) | ND(0.0392) | ND(0.0355) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.188) | ND(0.0372) | ND(0.0345) | ND(0.0701) | ND(0.0359) | ND(0.0363) | ND(0.0364) | ND(0.036) | ND(3.6) | ND(3.42) | ND(3.57) | ND(0.373) | ND(0.037) | ND(0.0368) | ND(13.7) | ND(6.83) | ND(0.0376) | ND(0.0382) | ND(0.0386) | ND(0.0359) | ND(0.035) | ND(0.0392) | ND(0.0355) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.188) | ND(0.0372) | ND(0.0345) | ND(0.0701) | ND(0.0359) | ND(0.0363) | ND(0.0364) | ND(0.036) | ND(3.6) | ND(3.42) | ND(3.57) | ND(0.373) | ND(0.037) | ND(0.0368) | ND(13.7) | ND(6.83) | ND(0.0376) | ND(0.0382) | ND(0.0386) | ND(0.0359) | ND(0.035) | ND(0.0392) | ND(0.0355) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.188) | ND(0.0372) | ND(0.0345) | ND(0.0701) | ND(0.0359) | ND(0.0363) | ND(0.0364) | ND(0.036) | ND(3.6) | ND(3.42) | ND(3.57) | ND(0.373) | ND(0.037) | ND(0.0368) | ND(13.7) | ND(6.83) | ND(0.0376) | ND(0.0382) | ND(0.0386) | ND(0.0359) | ND(0.035) | ND(0.0392) | ND(0.0355) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 2.04 | ND(0.0372) | ND(0.0345) | ND(0.0701) | ND(0.0359) | ND(0.0363) | ND(0.0364) | ND(0.036) | **58.8** | **53.9** | **42.9** | 2.4 | 0.0865 | ND(0.0368) | **87.7** | **66.8** | 0.0436 | 0.0792 | 0.052 | ND(0.0359) | ND(0.035) | ND(0.0392) | ND(0.0355) |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 1.2 | ND(0.0372) | ND(0.0345) | ND(0.0701) | ND(0.0359) | ND(0.0363) | ND(0.0364) | ND(0.036) | **29.5** | **25.5** | **20.7** | 1.25 | 0.0562 | ND(0.0368) | ND(13.7) | ND(6.83) | 0.0553 | 0.109 | ND(0.0386) | ND(0.0359) | ND(0.035) | ND(0.0392) | 0.0678 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.188) | ND(0.0372) | ND(0.0345) | ND(0.0701) | ND(0.0359) | ND(0.0363) | ND(0.0364) | ND(0.036) | ND(3.6) | ND(3.42) | ND(3.57) | ND(0.373) | ND(0.037) | ND(0.0368) | ND(13.7) | ND(6.83) | ND(0.0376) | 0.0506 | 0.0391 | ND(0.0359) | ND(0.035) | ND(0.0392) | ND(0.0355) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.188) | ND(0.0372) | ND(0.0345) | ND(0.0701) | ND(0.0359) | ND(0.0363) | ND(0.0364) | ND(0.036) | ND(3.6) | ND(3.42) | ND(3.57) | ND(0.373) | ND(0.037) | ND(0.0368) | ND(13.7) | ND(6.83) | ND(0.0376) | ND(0.0382) | ND(0.0386) | ND(0.0359) | ND(0.035) | ND(0.0392) | ND(0.0355) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.188) | ND(0.0372) | ND(0.0345) | ND(0.0701) | ND(0.0359) | ND(0.0363) | ND(0.0364) | ND(0.036) | ND(3.6) | ND(3.42) | ND(3.57) | ND(0.373) | ND(0.037) | ND(0.0368) | ND(13.7) | ND(6.83) | ND(0.0376) | ND(0.0382) | ND(0.0386) | ND(0.0359) | ND(0.035) | ND(0.0392) | ND(0.0355) |
| | | | | | | 3.24 | ND(0.0372) | ND(0.0345) | ND(0.0701) | ND(0.0359) | ND(0.0363) | ND(0.0364) | ND(0.036) | **88.3** | **79.4** | **63.6** | 3.65 | ND(0.037) | ND(0.0368) | **87.7** | **66.8** | 0.0989 | 0.2388 | 0.0911 | ND(0.0359) | ND(0.035) | ND(0.0392) | 0.0678 |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-215 (1-2) | SB-215 (2-3) | SB-215 (3-4) | SB-215 (4-5) | SB-215 (5-6) | SB-216 (0-1) | SB-216 (1-2) | SB-216 (2-3) | SB-216 (3-4) | SB-216 (4-5) | SB-216 (5-6) | SB-217 (0-1) | SB-217 (1-2) | SB-217 (2-3) | SB-217 (3-4) | SB-217 (4-5) | SB-217 (5-6) | SB-218 (0-1) | SB-218 (1-2) | SB-218 (2-3) | SB-218 (3-4) | SB-218 (4-5) | SB-218 (5-6) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.181) | ND(0.0348) | ND(0.0391) | ND(0.0432) | ND(0.0436) | ND(0.036) | ND(0.0347) | ND(0.0362) | ND(0.0369) | ND(0.0371) | ND(0.0374) | ND(0.0362) | ND(0.0347) | ND(0.0336) | ND(0.0338) | ND(0.0387) | ND(0.0348) | ND(0.171) | ND(0.0346) | ND(0.035) | ND(0.0346) | ND(0.036) | ND(0.0457) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.181) | ND(0.0348) | ND(0.0391) | ND(0.0432) | ND(0.0436) | ND(0.036) | ND(0.0347) | ND(0.0362) | ND(0.0369) | ND(0.0371) | ND(0.0374) | ND(0.0362) | ND(0.0347) | ND(0.0336) | ND(0.0338) | ND(0.0387) | ND(0.0348) | ND(0.171) | ND(0.0346) | ND(0.035) | ND(0.0346) | ND(0.036) | ND(0.0457) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.181) | ND(0.0348) | ND(0.0391) | ND(0.0432) | ND(0.0436) | ND(0.036) | ND(0.0347) | ND(0.0362) | ND(0.0369) | ND(0.0371) | ND(0.0374) | ND(0.0362) | ND(0.0347) | ND(0.0336) | ND(0.0338) | ND(0.0387) | ND(0.0348) | ND(0.171) | ND(0.0346) | ND(0.035) | ND(0.0346) | ND(0.036) | ND(0.0457) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.181) | ND(0.0348) | ND(0.0391) | ND(0.0432) | ND(0.0436) | ND(0.036) | ND(0.0347) | ND(0.0362) | ND(0.0369) | ND(0.0371) | ND(0.0374) | ND(0.0362) | ND(0.0347) | ND(0.0336) | ND(0.0338) | ND(0.0387) | ND(0.0348) | ND(0.171) | ND(0.0346) | ND(0.035) | ND(0.0346) | ND(0.036) | ND(0.0457) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 0.443 | ND(0.0348) | ND(0.0391) | ND(0.0432) | 0.123 | 0.245 | 0.0621 | ND(0.0362) | ND(0.0369) | ND(0.0371) | ND(0.0374) | ND(0.0362) | 0.0511 | ND(0.0336) | ND(0.0338) | ND(0.0387) | ND(0.0348) | 0.431 | ND(0.0346) | ND(0.035) | ND(0.0346) | ND(0.036) | ND(0.0457) |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 0.418 | ND(0.0348) | ND(0.0391) | ND(0.0432) | 0.165 | 0.267 | 0.0762 | ND(0.0362) | ND(0.0369) | ND(0.0371) | ND(0.0374) | ND(0.0362) | 0.0495 | ND(0.0336) | ND(0.0338) | ND(0.0387) | ND(0.0348) | 0.35 | ND(0.0346) | ND(0.035) | ND(0.0346) | ND(0.036) | ND(0.0457) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.181) | ND(0.0348) | ND(0.0391) | ND(0.0432) | ND(0.0436) | ND(0.036) | ND(0.0347) | ND(0.0362) | ND(0.0369) | ND(0.0371) | ND(0.0374) | ND(0.0362) | ND(0.0347) | ND(0.0336) | ND(0.0338) | ND(0.0387) | ND(0.0348) | ND(0.171) | ND(0.0346) | ND(0.035) | ND(0.0346) | ND(0.036) | ND(0.0457) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.181) | ND(0.0348) | ND(0.0391) | ND(0.0432) | ND(0.0436) | ND(0.036) | ND(0.0347) | ND(0.0362) | ND(0.0369) | ND(0.0371) | ND(0.0374) | ND(0.0362) | ND(0.0347) | ND(0.0336) | ND(0.0338) | ND(0.0387) | ND(0.0348) | ND(0.171) | ND(0.0346) | ND(0.035) | ND(0.0346) | ND(0.036) | ND(0.0457) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.181) | ND(0.0348) | ND(0.0391) | ND(0.0432) | ND(0.0436) | ND(0.036) | ND(0.0347) | ND(0.0362) | ND(0.0369) | ND(0.0371) | ND(0.0374) | ND(0.0362) | ND(0.0347) | ND(0.0336) | ND(0.0338) | ND(0.0387) | ND(0.0348) | ND(0.171) | ND(0.0346) | ND(0.035) | ND(0.0346) | ND(0.036) | ND(0.0457) |
| | | | | | | 0.861 | ND(0.0348) | ND(0.0391) | ND(0.0432) | 0.288 | 0.512 | 0.1383 | ND(0.0362) | ND(0.0369) | ND(0.0371) | ND(0.0374) | ND(0.0362) | 0.1006 | ND(0.0336) | ND(0.0338) | ND(0.0387) | ND(0.0348) | 0.781 | ND(0.0346) | ND(0.035) | ND(0.0346) | ND(0.036) | ND(0.0457) |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-219 (0-1) | SB-219 (1-2) | SB-219 (2-3) | SB-219 (3-4) | SB-219 (4-5) | SB-219 (5-6) | SB-220 (0-1) | SB-220 (1-2) | SB-220 (2-3) | SB-220 (3-4) | SB-220 (4-5) | SB-220 (5-6) | SB-221 (0-1) | SB-221 (1-2) | SB-221 (2-3) | SB-221 (3-4) | SB-221 (4-5) | SB-221 (5-6) | SB-222 (0-1) | SB-222 (1-2) | SB-222 (2-3) | SB-222 (3-4) | SB-222 (4-5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0351) | ND(0.035) | ND(0.0356) | ND(0.0371) | ND(0.0362) | ND(0.0337) | ND(0.0368) | ND(0.0348) | ND(0.034) | ND(0.0354) | ND(0.0365) | ND(0.0361) | ND(0.357) | ND(0.178) | ND(0.0349) | ND(0.0342) | ND(0.035) | ND(0.0349) | ND(1.82) | ND(90.6) | ND(0.18) | ND(0.0361) | ND(0.0421) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0351) | ND(0.035) | ND(0.0356) | ND(0.0371) | ND(0.0362) | ND(0.0337) | ND(0.0368) | ND(0.0348) | ND(0.034) | ND(0.0354) | ND(0.0365) | ND(0.0361) | ND(0.357) | ND(0.178) | ND(0.0349) | ND(0.0342) | ND(0.035) | ND(0.0349) | ND(1.82) | ND(90.6) | ND(0.18) | ND(0.0361) | ND(0.0421) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0351) | ND(0.035) | ND(0.0356) | ND(0.0371) | ND(0.0362) | ND(0.0337) | ND(0.0368) | ND(0.0348) | ND(0.034) | ND(0.0354) | ND(0.0365) | ND(0.0361) | ND(0.357) | ND(0.178) | ND(0.0349) | ND(0.0342) | ND(0.035) | ND(0.0349) | ND(1.82) | ND(90.6) | ND(0.18) | ND(0.0361) | ND(0.0421) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0351) | ND(0.035) | ND(0.0356) | ND(0.0371) | ND(0.0362) | ND(0.0337) | ND(0.0368) | ND(0.0348) | ND(0.034) | ND(0.0354) | ND(0.0365) | ND(0.0361) | ND(0.357) | ND(0.178) | ND(0.0349) | ND(0.0342) | ND(0.035) | ND(0.0349) | ND(1.82) | ND(90.6) | ND(0.18) | ND(0.0361) | ND(0.0421) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 0.0546 | ND(0.035) | ND(0.0356) | ND(0.0371) | ND(0.0362) | ND(0.0337) | 0.198 | 0.0934 | ND(0.034) | ND(0.0354) | ND(0.0365) | ND(0.0361) | 4.36 | 1.34 | ND(0.0349) | ND(0.0342) | ND(0.035) | 0.065 | **19.4** | **384** | 0.677 | ND(0.0361) | ND(0.0421) |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 0.0801 | ND(0.035) | ND(0.0356) | ND(0.0371) | ND(0.0362) | ND(0.0337) | 0.167 | 0.0836 | ND(0.034) | ND(0.0354) | ND(0.0365) | ND(0.0361) | ND(0.357) | ND(0.178) | ND(0.0349) | ND(0.0342) | ND(0.035) | 0.0499 | ND(1.82) | **202** | 0.538 | ND(0.0361) | ND(0.0421) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0351) | ND(0.035) | ND(0.0356) | ND(0.0371) | ND(0.0362) | ND(0.0337) | ND(0.0368) | ND(0.0348) | ND(0.034) | ND(0.0354) | ND(0.0365) | ND(0.0361) | ND(0.357) | ND(0.178) | ND(0.0349) | ND(0.0342) | ND(0.035) | ND(0.0349) | ND(1.82) | ND(90.6) | ND(0.18) | ND(0.0361) | ND(0.0421) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0351) | ND(0.035) | ND(0.0356) | ND(0.0371) | ND(0.0362) | ND(0.0337) | ND(0.0368) | ND(0.0348) | ND(0.034) | ND(0.0354) | ND(0.0365) | ND(0.0361) | ND(0.357) | ND(0.178) | ND(0.0349) | ND(0.0342) | ND(0.035) | ND(0.0349) | ND(1.82) | ND(90.6) | ND(0.18) | ND(0.0361) | ND(0.0421) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0351) | ND(0.035) | ND(0.0356) | ND(0.0371) | ND(0.0362) | ND(0.0337) | ND(0.0368) | ND(0.0348) | ND(0.034) | ND(0.0354) | ND(0.0365) | ND(0.0361) | ND(0.357) | ND(0.178) | ND(0.0349) | ND(0.0342) | ND(0.035) | ND(0.0349) | ND(1.82) | ND(90.6) | ND(0.18) | ND(0.0361) | ND(0.0421) |
| | | | | | | 0.1347 | ND(0.035) | ND(0.0356) | ND(0.0371) | ND(0.0362) | ND(0.0337) | 0.365 | 0.177 | ND(0.034) | ND(0.0354) | ND(0.0365) | ND(0.0361) | 4.36 | 1.34 | ND(0.0349) | ND(0.0342) | ND(0.035) | 0.1149 | **19.4** | **586** | 1.215 | ND(0.0361) | ND(0.0421) |

Notes:

1. BOLD Values Exceed the RIDEM Residential and Industrial Direct Exposure Criteria and the GB Leachability Criteria
2. BOLD Shaded (Yellow) Values are greater than 50 mg/kg (TSCA).
3. "ND" = Not detected above the presented laboratory reporting limit
4. "P" = The relative percent difference between the two columns exceeds the method specific criteria. The higher of the two results is shown.
5. Results qualified as estimated "J" and non-detects estimated "UJ" have field duplicate samples with relative percent differences above acceptance criteria
6. "JL" = Estimated value with potential low bias because sample was extracted after the 14-day holding time
7. The method blank associated with samples qualified with "B", has a concentration above the reporting limit for a specified Aroclor.

# Table 1
## Soil Data - PCBs
## 1 India Street, Providence, Rhode Island

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-222 (5-6) | SB-222 (6-7) | SB-222 (7-8) | SB-223 (0-1) | SB-223 (1-2) | SB-223 (2-3) | SB-223 (3-4) | SB-223 (4-5) | SB-5223 (4-5) - DUP | SB-223 (5-6) | SB-223 (6-7) | SB-223 (7-8) | SB-224 (0-1) | SB-224 (1-2) | SB-224 (2-3) | SB-224 (3-4) | SB-224 (4-5) | SB-224 (5-6) | SB-224-DUP (6-7) | SB-225 (0-1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.68) | ND(0.0359) | ND(0.0401) | ND(14.2) | ND(14.6) | ND(90.2) | ND(7.19) | ND(0.0353) | ND(0.0353) | ND(0.0353) | ND(0.0345) | ND(0.0344) | ND(14.8) | ND(7.14) | ND(0.11) | ND(0.041) | ND(0.0387) | ND(0.0698) | ND(0.0398) | ND(0.11) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.68) | ND(0.0359) | ND(0.0401) | ND(14.2) | ND(14.6) | ND(90.2) | ND(7.19) | ND(0.0353) | ND(0.0353) | ND(0.0353) | ND(0.0345) | ND(0.0344) | ND(14.8) | ND(7.14) | ND(0.11) | ND(0.041) | ND(0.0387) | ND(0.0698) | ND(0.0398) | ND(0.11) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.68) | ND(0.0359) | ND(0.0401) | ND(14.2) | ND(14.6) | ND(90.2) | ND(7.19) | ND(0.0353) | ND(0.0353) | ND(0.0353) | ND(0.0345) | ND(0.0344) | ND(14.8) | ND(7.14) | ND(0.11) | ND(0.041) | ND(0.0387) | ND(0.0698) | ND(0.0398) | ND(0.11) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.68) | ND(0.0359) | ND(0.0401) | ND(14.2) | ND(14.6) | ND(90.2) | ND(7.19) | ND(0.0353) | ND(0.0353) | ND(0.0353) | ND(0.0345) | ND(0.0344) | ND(14.8) | ND(7.14) | ND(0.11) | ND(0.041) | ND(0.0387) | ND(0.0698) | ND(0.0398) | ND(0.11) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | ND(0.68) | ND(0.0359) | ND(0.0401) | **72.9** | **123** | **280** | **80** | ND(0.0353) | **29.9** | 0.488 | 0.194 | ND(0.0344) | **63.4** | **42.6** | 1.25 | ND(0.041) | ND(0.0387) | 0.472 | 0.0576 | 0.336 |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 2.31 | ND(0.0359) | ND(0.0401) | ND(14.2) | ND(14.6) | **151** | ND(7.19) | ND(0.0353) | **14.4** | ND(0.0353) | ND(0.0345) | ND(0.0344) | **31.3** | 7.14 | 0.878 | 0.0441 | ND(0.0387) | 0.494 | 0.0445 | 0.423 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.68) | ND(0.0359) | ND(0.0401) | ND(14.2) | ND(14.6) | ND(90.2) | ND(7.19) | ND(0.0353) | ND(0.0353) | ND(0.0353) | ND(0.0345) | ND(0.0344) | ND(14.8) | ND(7.14) | ND(0.11) | ND(0.041) | ND(0.0387) | ND(0.0698) | ND(0.0398) | ND(0.11) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.68) | ND(0.0359) | ND(0.0401) | ND(14.2) | ND(14.6) | ND(90.2) | ND(7.19) | ND(0.0353) | ND(0.0353) | ND(0.0353) | ND(0.0345) | ND(0.0344) | ND(14.8) | ND(7.14) | ND(0.11) | ND(0.041) | ND(0.0387) | ND(0.0698) | ND(0.0398) | ND(0.11) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.68) | ND(0.0359) | ND(0.0401) | ND(14.2) | ND(14.6) | ND(90.2) | ND(7.19) | ND(0.0353) | ND(0.0353) | ND(0.0353) | ND(0.0345) | ND(0.0344) | ND(14.8) | ND(7.14) | ND(0.11) | ND(0.041) | ND(0.0387) | ND(0.0698) | ND(0.0398) | ND(0.11) |
| | | | | | | 2.31 | ND(0.0359) | ND(0.0401) | **72.9** | **123** | **431** | **80** | ND(0.0353) | **44.3** | 0.488 | 0.194 | ND(0.0344) | **94.7** | **49.74** | 2.128 | 0.0441 | ND(0.0387) | 0.966 | ND(0.0398) | 0.759 |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-225 (1-2) | SB-225 (2-3) | SB-225 (3-4) | SB-225 (4-5) | SB-225 (5-6) | SB-225 (6-7) | SB-225 (7-8) | SB-226 (0-1) | SB-226 (1-2) | SB-226 (2-3) | SB-226 (3-4) | SB-226 (4-5) | SB-226 (5-6) | SB-226-DUP (7-8) | SB-228 (0-1) | SB-228 (1-2) | SB-228 (2-3) | SB-228 (3-4) | SB-228 (4-5) | SB-228 (5-6) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0716) | ND(0.072) | ND(0.0345) | ND(0.0367) | ND(0.377) | ND(0.0364) | ND(0.0347) | ND(0.0374) | ND(0.0355) | ND(0.0366) | ND(0.0368) | ND(0.0385) | ND(0.0361) | ND(0.0351) | ND(0.21) | ND(0.0366) | ND(0.0355) | ND(0.108) | ND(0.0355) | ND(0.0398) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0716) | ND(0.072) | ND(0.0345) | ND(0.0367) | ND(0.377) | ND(0.0364) | ND(0.0347) | ND(0.0374) | ND(0.0355) | ND(0.0366) | ND(0.0368) | ND(0.0385) | ND(0.0361) | ND(0.0351) | ND(0.21) | ND(0.0366) | ND(0.0355) | ND(0.108) | ND(0.0355) | ND(0.0398) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0716) | ND(0.072) | ND(0.0345) | ND(0.0367) | ND(0.377) | ND(0.0364) | ND(0.0347) | ND(0.0374) | ND(0.0355) | ND(0.0366) | ND(0.0368) | ND(0.0385) | ND(0.0361) | ND(0.0351) | ND(0.21) | ND(0.0366) | ND(0.0355) | ND(0.108) | ND(0.0355) | ND(0.0398) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0716) | ND(0.072) | ND(0.0345) | ND(0.0367) | ND(0.377) | ND(0.0364) | ND(0.0347) | ND(0.0374) | ND(0.0355) | ND(0.0366) | ND(0.0368) | ND(0.0385) | ND(0.0361) | ND(0.0351) | ND(0.21) | ND(0.0366) | ND(0.0355) | ND(0.108) | ND(0.0355) | ND(0.0398) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 0.457 | 0.399 | ND(0.0345) | 0.0858 | ND(0.377) | ND(0.0364) | ND(0.0347) | 0.319 | 0.159 | 0.0714 | 0.0368 | ND(0.0385) | 0.0612 | 0.041 | 0.817 | 0.329 | ND(0.0355) | ND(0.108) | ND(0.0355) | ND(0.0398) |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 0.578 | 0.335 | ND(0.0345) | 0.11 | 3.16 | ND(0.0364) | ND(0.0347) | 0.49 | 0.252 | 0.103 | 0.0628 | ND(0.0385) | 0.0793 | 0.0553 | 0.72 | 0.404 | 0.0371 | ND(0.108) | ND(0.0355) | ND(0.0398) |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0716) | ND(0.072) | ND(0.0345) | ND(0.0367) | ND(0.377) | ND(0.0364) | ND(0.0347) | ND(0.0374) | ND(0.0355) | ND(0.0366) | 0.0387 | ND(0.0385) | ND(0.0361) | ND(0.0351) | ND(0.21) | ND(0.0366) | ND(0.0355) | ND(0.108) | ND(0.0355) | ND(0.0398) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0716) | ND(0.072) | ND(0.0345) | ND(0.0367) | ND(0.377) | ND(0.0364) | ND(0.0347) | ND(0.0374) | ND(0.0355) | ND(0.0366) | ND(0.0368) | ND(0.0385) | ND(0.0361) | ND(0.0351) | ND(0.21) | ND(0.0366) | ND(0.0355) | ND(0.108) | ND(0.0355) | ND(0.0398) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | ND(0.0716) | ND(0.072) | ND(0.0345) | ND(0.0367) | ND(0.377) | ND(0.0364) | ND(0.0347) | 0.046 | ND(0.0355) | ND(0.0366) | ND(0.0368) | ND(0.0385) | ND(0.0361) | ND(0.0351) | ND(0.21) | ND(0.0366) | ND(0.0355) | ND(0.108) | ND(0.0355) | ND(0.0398) |
| | | | | | | 1.035 | 0.734 | ND(0.0345) | 0.1958 | 3.16 | ND(0.0364) | ND(0.0347) | 0.855 | 0.411 | 0.1744 | 0.1383 | ND(0.0385) | 0.1405 | 0.0963 | 1.537 | 0.733 | 0.0371 | ND(0.108) | ND(0.0355) | ND(0.0398) |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units | SB-229 (0-1) | SB-229 (1-2) | SB-229 (2-3) | SB-229-DUP (2-3) | SB-229 (3-4) | SB-229 (4-5) | SB-229 (5-6) | SB-229 (6-7) | SB-229 (7-8) | SB-230 (0-1) | SB-230 (1-2) | SB-230 (2-3) | SB-230 (3-4) | SB-GPR (0-1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/3/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 | 12/2/2011 |
| **PCBs** | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg | ND(0.12) | ND(0.037) | ND(0.0367) | ND(0.0361) | ND(0.119) | ND(0.0386) | ND(0.0392) | ND(0.0388) | ND(0.0342) | ND(0.0391) | ND(0.196) | ND(0.0366) | ND(0.0348) | ND(0.0407) |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg | ND(0.12) | ND(0.037) | ND(0.0367) | ND(0.0361) | ND(0.119) | ND(0.0386) | ND(0.0392) | ND(0.0388) | ND(0.0342) | ND(0.0391) | ND(0.196) | ND(0.0366) | ND(0.0348) | ND(0.0407) |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg | ND(0.12) | ND(0.037) | ND(0.0367) | ND(0.0361) | ND(0.119) | ND(0.0386) | ND(0.0392) | ND(0.0388) | ND(0.0342) | ND(0.0391) | ND(0.196) | ND(0.0366) | ND(0.0348) | ND(0.0407) |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg | ND(0.12) | ND(0.037) | ND(0.0367) | ND(0.0361) | ND(0.119) | ND(0.0386) | ND(0.0392) | ND(0.0388) | ND(0.0342) | ND(0.0391) | ND(0.196) | ND(0.0366) | ND(0.0348) | ND(0.0407) |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg | 0.16 | 0.0622 | 0.067 | 0.0759 | ND(0.119) | ND(0.0386) | ND(0.0392) | ND(0.0388) | ND(0.0342) | ND(0.0391) | ND(0.196) | ND(0.0366) | ND(0.0348) | 0.354 |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg | 0.218 | 0.135 | 0.115 | 0.0894 | ND(0.119) | ND(0.0386) | ND(0.0392) | ND(0.0388) | ND(0.0342) | ND(0.0391) | ND(0.196) | ND(0.0366) | ND(0.0348) | 0.452 |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg | ND(0.12) | ND(0.037) | ND(0.0367) | ND(0.0361) | ND(0.119) | ND(0.0386) | ND(0.0392) | ND(0.0388) | ND(0.0342) | ND(0.0391) | ND(0.196) | ND(0.0366) | ND(0.0348) | ND(0.0407) |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg | ND(0.12) | ND(0.037) | ND(0.0367) | ND(0.0361) | ND(0.119) | ND(0.0386) | ND(0.0392) | ND(0.0388) | ND(0.0342) | ND(0.0391) | ND(0.196) | ND(0.0366) | ND(0.0348) | ND(0.0407) |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg | 0.141 | 0.0463 | 0.0704 | ND(0.0361) | ND(0.119) | ND(0.0386) | ND(0.0392) | ND(0.0388) | ND(0.0342) | 0.164 | 0.411 | 0.117 | ND(0.0348) | 0.0574 |
| | | | | | | 0.519 | 0.2435 | 0.2524 | 0.1653 | ND(0.119) | ND(0.0386) | ND(0.0392) | ND(0.0388) | ND(0.0342) | 0.164 | 0.411 | 0.117 | ND(0.0348) | 0.8634 |

| Constituent | Leachability Criteria | | Direct Exposure Criteria | | Units |
|---|---|---|---|---|---|
| | GA | GB | Industrial | Residential | |
| **PCBs** | | | | | |
| Aroclor 1016 | 10 | 10 | 10 | 10 | mg/kg |
| Aroclor 1221 | 10 | 10 | 10 | 10 | mg/kg |
| Aroclor 1232 | 10 | 10 | 10 | 10 | mg/kg |
| Aroclor 1242 | 10 | 10 | 10 | 10 | mg/kg |
| Aroclor 1248 | 10 | 10 | 10 | 10 | mg/kg |
| Aroclor 1254 | 10 | 10 | 10 | 10 | mg/kg |
| Aroclor 1260 | 10 | 10 | 10 | 10 | mg/kg |
| Aroclor 1262 | 10 | 10 | 10 | 10 | mg/kg |
| Aroclor 1268 | 10 | 10 | 10 | 10 | mg/kg |
| | | | | | |

Notes:

1. BOLD Values Exceed the RIDEM Residential and Industrial Direct Exposure Criteria and the GB Leachability Criteria
2. BOLD Shaded (Yellow) Values are greater than 50 mg/kg (TSCA).
3. "ND" = Not detected above the presented laboratory reporting limit
4. "P" = The relative percent difference between the two columns exceeds the method specific criteria. The higher of the two results is shown.
5. Results qualified as estimated "J" and non-detects estimated "UJ" have field duplicate samples with relative percent differences above acceptance criteria
6. "JL" = Estimated value with potential low bias because sample was extracted after the 14-day holding time
7. The method blank associated with samples qualified with "B", has a concentration above the reporting limit for a specified Aroclor.

Table 2
GROUNDWATER DATA
January 2010
1 India Street
Providence, Rhode Island

| Constituent | Groundwater Objectives | | Units | WC-1 | WC-2 | WC-5 |
|---|---|---|---|---|---|---|
| | GA | GB | | 1/21/2010 | 1/21/2010 | 1/21/2010 |
| **PCBs** | | | | | | |
| Aroclor 1016 | 0.0005 | -- | mg/l | ND (0.00025) | ND (0.00025) | ND (0.00025) |
| Aroclor 1221 | 0.0005 | -- | mg/l | ND (0.00025) | ND (0.00025) | ND (0.00025) |
| Aroclor 1232 | 0.0005 | -- | mg/l | ND (0.00025) | ND (0.00025) | ND (0.00025) |
| Aroclor 1242 | 0.0005 | -- | mg/l | ND (0.00025) | ND (0.00025) | ND (0.00025) |
| Aroclor 1248 | 0.0005 | -- | mg/l | ND (0.00025) | 0.000533 | ND (0.00025) |
| Aroclor 1254 | 0.0005 | -- | mg/l | ND (0.00025) | ND (0.00025) | ND (0.00025) |
| Aroclor 1260 | 0.0005 | -- | mg/l | ND (0.00025) | ND (0.00025) | ND (0.00025) |
| Aroclor 1262 | 0.0005 | -- | mg/l | ND (0.00025) | ND (0.00025) | ND (0.00025) |
| Aroclor 1268 | 0.0005 | -- | mg/l | ND (0.00025) | ND (0.00025) | ND (0.00025) |

Notes:
1. A blank space means there is no applicable RIDEM criteria
2. "ND" values are presented at the reported detection limit

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L0911346-01 | SB-13 (0'-2') | Soil | 8/12/09 | Method 3540C | 0.0775 | 1 | No | None | The surrogate recovery for the Method Blank and LCSD is above the individual acceptance criteria for Decachlorobiphenyl (155%/155%), but within the overall method allowances. | None | None | None | Elevated detection limits due to dilutions required by matrix interferences encountered during concentration of sample. |
| L0911346-03 | SB-14 (0'-2') | Soil | 8/12/09 | Method 3540C | 0.179 | 1 | No | None | None | None | None | None | Elevated detection limits due to dilutions required by matrix interferences encountered during concentration of sample. |
| L0911346-05 | SB-15 (0'-2') | Soil | 8/12/09 | Method 3540C | 0.196 | 1 | No | None | None | None | None | None | Elevated detection limits due to dilutions required by matrix interferences encountered during concentration of sample. |
| L0911480-02 | SB-16 (3'-6') | Soil | 8/12/09 | Method 3540C | 0.0383 | 1 | No | None | None | None | None | None | None |
| L0911480-04 | SB-16A (2'-5') | Soil | 8/12/09 | Method 3540C | 0.0383 | 1 | No | None | None | None | None | None | None |
| L0911346-07 | SB-18A (0'-2') | Soil | 8/14/09 | Method 3540C | 0.0351 | 1 | No | None | None | None | None | None | None |
| L0911346-09 | SB-18 (0'-2') | Soil | 8/14/09 | Method 3540C | 0.177 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to dilutions required by matrix interferences encountered during concentration of sample. |
| L0911480-06 | SB-17 (3'-5') | Soil | 8/14/09 | Method 3540C | 0.0379 | 1 | No | None | None | None | None | None | None |
| L0911480-08 | SB-17A (3'-5') | Soil | 8/14/09 | Method 3540C | 0.0402 | 1 | No | None | None | None | None | None | None |
| L0915001-01 | SB-41(0'-1') | Soil | 10/20/09 | Method 3540C | 0.0410 | 1 | Yes | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (77%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recovery for the LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. The surrogate recovery is above the individual acceptance criteria for Decachlorobiphenyl (202%), but within the overall method allowances. | None | None | None | None |
| L0915001-02 | SB-41(1'-2') | Soil | 10/20/09 | Method 3540C | 0.0364 | 1 | Yes | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (77%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recovery for the LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. | None | None | None | None |
| L0915001-03 | SB-41(2'-3') | Soil | 10/20/09 | Method 3540C | 0.0570 | 1 | No | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (77%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recovery for the LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. | None | None | None | None |
| L0915001-04 | SB-42(0'-1') | Soil | 10/20/09 | Method 3540C | 0.202 | 1 | Yes | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (77%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recovery for the LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. The surrogate recovery is above the individual acceptance criteria for Decachlorobiphenyl (220%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples. |
| L0915001-05 | SB-42(1'-2') | Soil | 10/20/09 | Method 3540C | 0.0338 | 1 | Yes | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (77%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recovery for the LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. | None | None | None | None |
| L0915001-06 | SB-42(2'-3') | Soil | 10/20/09 | Method 3540C | 0.0355 | 1 | Yes | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (77%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recovery for the LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. | None | None | None | None |
| L0915001-07 | SB-43(0'-1') | Soil | 10/20/09 | Method 3540C | 0.732 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclors 1248 and 1254. Because the associated sample concentrations are greater than 5x the blank concentration for this analyte, no qualification of the results was performed. Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915001-08 | SB-43(1'-2') | Soil | 10/20/09 | Method 3540C | 0.382 | 1 | Yes | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (77%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. The surrogate recovery for the LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915001-09 | SB-43(2'-3') | Soil | 10/20/09 | Method 3540C | 0.0341 | 1 | No | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (77%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recovery for the LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. | None | None | None | None |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L0915001-10 | SB-44(0'-1') | Soil | 10/20/09 | Method 3540C | 0.211 | 1 | Yes | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (77%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recovery for the LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. The surrogate recovery is above the individual acceptance criteria for Decachlorobiphenyl (182%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples. |
| L0915001-11 | SB-44(1'-2') | Soil | 10/20/09 | Method 3540C | 0.181 | 1 | Yes | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (77%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recovery for the LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples. |
| L0915001-12 | SB-44(2'-3') | Soil | 10/20/09 | Method 3540C | 0.0395 | 1 | No | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (77%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recovery for the LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. | None | None | None | None |
| L0915001-13 | SB-45(0'-1') | Soil | 10/20/09 | Method 3540C | **1.84** | 1 | Yes | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (77%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. The surrogate recovery for the LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the sample and by the elevated concentrations of target compounds in the sample. |
| L0915001-14 | SB-45(1'-2') | Soil | 10/20/09 | Method 3540C | 0.0390 | 1 | Yes | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (77%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recovery for the LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. | None | None | None | None |
| L0915001-15 | SB-45(2'-3') | Soil | 10/20/09 | Method 3540C | 0.0342 | 1 | No | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (77%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recovery for the LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. | None | None | None | None |
| L0915001-16 | SB-46(0'-1') | Soil | 10/20/09 | Method 3540C | 0.181 | 1 | Yes | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (77%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recovery for the LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915001-17 | SB-46(1'-2') | Soil | 10/20/09 | Method 3540C | 0.0717 | 1 | Yes | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (77%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recovery for the LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915001-18 | SB-46(2'-3') | Soil | 10/20/09 | Method 3540C | 0.0375 | 1 | Yes | The LCS/LCSD RPD is above acceptance criteria for Aroclor 1016 (77%); however, individual LCS/LCSD recoveries are within method limits. The dual column RPD is above acceptance criteria for Aroclor 1248; however, no obvious column interferences are present. The result has been qualified with a "P". | The surrogate recovery for the LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. | None | None | None | None |
| L0911346-11 | SB-19 (0'-4') | Soil | 8/14/09 | Method 3540C | 0.181 | 1 | No | None | None | None | None | None | Elevated detection limits due to dilutions required by matrix interferences encountered during concentration of sample. |
| L0911346-13 | SB-20 (0'-2') | Soil | 8/14/09 | Method 3540C | 0.175 | 1 | No | None | None | None | None | None | Elevated detection limits due to dilutions required by matrix interferences encountered during concentration of sample. |
| L0911346-15 | SB-21 (0'-2') | Soil | 8/12/09 | Method 3540C | **7.75** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by matrix interferences encountered during concentration of sample and by elevated concentrations of target compounds in sample. |
| L0911346-17 | SB-22 (0'-3') | Soil | 8/14/09 | Method 3546 | 0.194 | 1 | Yes | None | The surrogate recovery is above the individual acceptance criteria for Decachlorobiphenyl (167%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0911346-19 | SB-25 (0'-3') | Soil | 8/12/09 | Method 3546 | 0.383 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L0911480-11 | SB-23 (4'-6') | Soil | 8/12/09 | Method 3540C | 0.0374 | 1 | No | None | The surrogate recovery is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-mxylene (23%), but within the overall method allowances. | None | None | None | None |
| L0911480-13 | SB-24 (3'-6') | Soil | 8/12/09 | Method 3540C | 0.0388 | 1 | No | None | None | None | None | None | None |
| L0912669-01 | SB-26 (0'-2') | Soil | 9/11/09 | Method 3546 | **3.74** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0912669-02 | SB-27 (0'-2') | Soil | 9/11/09 | Method 3546 | **1920** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0912669-03 | SB-28 (0'-2') | Soil | 9/11/09 | Method 3546 | 0.741 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0912669-04 | SB-29 (0'-2') | Soil | 9/11/09 | Method 3546 | **36.2** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913042-01 | SB-30 (0'-2') | Soil | 9/11/09 | Method 3546 | **3.77** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample. |
| L0913917-01 | SB-21A (0'-1') | Soil | 10/1/09 | Method 3546 | **19.8** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913917-02 | SB-21A (1'-2') | Soil | 10/1/09 | Method 3546 | **1.90** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913917-03 | SB-21A (2'-3') | Soil | 10/1/09 | Method 3546 | 0.0350 | 1 | Yes | None | None | None | None | None | None |
| L0913917-04 | SB-21A (3'-4') | Soil | 10/1/09 | Method 3546 | 0.0400 | 1 | Yes | None | None | None | None | None | None |
| L0913917-05 | SB-26A (0'-1') | Soil | 10/1/09 | Method 3546 | **7.34** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913917-06 | SB-26A (1'-2') | Soil | 10/1/09 | Method 3546 | **7.81** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913917-07 | SB-26A (2'-3') | Soil | 10/1/09 | Method 3546 | 0.0401 | 1 | Yes | None | None | None | None | None | None |
| L0913917-08 | SB-26A (3'-4') | Soil | 10/1/09 | Method 3546 | 0.0370 | 1 | Yes | None | None | None | None | None | None |
| L0913917-09 | SB-27A (0'-1') | Soil | 10/1/09 | Method 3546 | **810** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913917-10 | SB-27A (1'-2') | Soil | 10/1/09 | Method 3546 | **3940** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913917-11 | SB-27A (2'-3') | Soil | 10/1/09 | Method 3546 | **399** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913917-12 | SB-27A (3'-4') | Soil | 10/1/09 | Method 3546 | **205** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913917-13 | SB-27A (4'-5') | Soil | 10/1/09 | Method 3546 | **87.2** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913917-14 | SB-27A (5'-6') | Soil | 10/1/09 | Method 3546 | 0.207 | 1 | Yes | None | The surrogate recovery is above the individual acceptance criteria for Decachlorobiphenyl (645%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913917-15 | SB-28A (0'-1') | Soil | 10/1/09 | Method 3546 | **15.6** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the elevated concentrations of target compounds in the sample. |
| L0913917-16 | SB-28A (1'-2') | Soil | 10/1/09 | Method 3546 | **7.52** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913917-17 | SB-28A (2'-3') | Soil | 10/1/09 | Method 3546 | **2.00** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913917-18 | SB-28A (3'-4') | Soil | 10/1/09 | Method 3546 | 0.389 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913917-19 | SB-29A (0'-1') | Soil | 10/1/09 | Method 3546 | **7.62** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L0913917-20 | SB-29A (1'-2') | Soil | 10/1/09 | Method 3546 | **3.91** | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclor 1248 and Aroclor 1254. Field duplicate RPD was above acceptance criteria of 50% for the non-detect of Aroclor 1254. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913919-01 | SB-29A (2'-3') | Soil | 10/1/09 | Method 3546 | 0.394 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913919-02 | SB-29A (3'-4') | Soil | 10/1/09 | Method 3546 | 0.0441 | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for Aroclor 1254. | None | None | None | None | None |
| L0913919-03 | SB-29A (4'-5') | Soil | 10/1/09 | Method 3546 | 0.0403 | 1 | Yes | None | None | None | None | None | None |
| L0913919-04 | SB-29A (5'-6') | Soil | 10/1/09 | Method 3546 | 0.0468 | 1 | No | Field duplicate RPDs were above acceptance criteria of 50% for the non-detect for Aroclor 1248. | None | None | None | None | None |
| L0913919-05 | SB-30A (0'-1') | Soil | 10/1/09 | Method 3546 | **38.8** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913919-06 | SB-30A (1'-2') | Soil | 10/1/09 | Method 3546 | **7.83** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913919-07 | SB-30A (2'-3') | Soil | 10/1/09 | Method 3546 | **7.58** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913919-08 | SB-30A (3'-4') | Soil | 10/1/09 | Method 3546 | 0.0372 | 1 | Yes | None | None | None | None | None | None |
| L0913919-09 | SB-31 (0'-1') | Soil | 10/1/09 | Method 3546 | **399** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913919-10 | SB-31 (1'-2') | Soil | 10/1/09 | Method 3546 | **3830** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913919-11 | SB-32 (0'-1') | Soil | 10/1/09 | Method 3546 | **782** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913919-12 | SB-32 (1'-2') | Soil | 10/1/09 | Method 3546 | **1920** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913919-13 | SB-33 (0'-1') | Soil | 10/1/09 | Method 3546 | **205** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. Results of the original analyses are reported and are qualified with a "B". Elevated detection limits due to dilution required by the matrix interferences encountered during concentration of the sample and the dilution required by the elevated concentrations of target compounds in the sample. |
| L0913919-14 | SB-33 (1'-2') | Soil | 10/1/09 | Method 3546 | **388** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913919-15 | SB-34 (0'-1') | Soil | 10/1/09 | Method 3546 | **398** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913919-16 | SB-34 (1'-2') | Soil | 10/1/09 | Method 3546 | **929** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913919-17 | SB-35 (0'-1') | Soil | 10/1/09 | Method 3546 | **375** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

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**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L0913919-18 | SB-35 (1'-2') | Soil | 10/1/09 | Method 3546 | **363** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913919-19 | SB-36 (0'-1') | Soil | 10/1/09 | Method 3546 | **18.7** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913919-20 | SB-36 (1'-2') | Soil | 10/1/09 | Method 3546 | 0.714 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913920-01 | SB-37 (0'-1') | Soil | 10/1/09 | Method 3546 | **7.70** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913920-02 | SB-37 (1'-2') | Soil | 10/1/09 | Method 3546 | **3.91** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913920-03 | SB-38 (0'-1') | Soil | 10/1/09 | Method 3546 | **7.90** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913920-04 | SB-38 (1'-2') | Soil | 10/1/09 | Method 3546 | **3.86** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913920-05 | SB-39 (0'-1') | Soil | 10/1/09 | Method 3546 | **19.8** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913920-06 | SB-39 (1'-2') | Soil | 10/1/09 | Method 3546 | **3.72** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913920-07 | SB-40 (0'-1') | Soil | 10/1/09 | Method 3546 | **75.7** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913920-08 | SB-40 (1'-2') | Soil | 10/1/09 | Method 3546 | **3.83** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913920-09 | SB-529A (0'-1') | Soil | 10/1/09 | Method 3546 | **7.85** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913920-10 | SB-529A (1'-2') | Soil | 10/1/09 | Method 3546 | **7.43** | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for the detects of Aroclor 1248 and Aroclor 1254. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913920-11 | SB-529A (2'-3') | Soil | 10/1/09 | Method 3546 | 0.394 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913920-12 | SB-529A (3'-4') | Soil | 10/1/09 | Method 3546 | 0.0392 | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for the detects of Aroclor 1254. | None | None | None | None | None |
| L0913920-13 | SB-529A (4'-5') | Soil | 10/1/09 | Method 3546 | 0.0434 | 1 | Yes | None | None | None | None | None | None |
| L0913920-14 | SB-529A (5'-6') | Soil | 10/1/09 | Method 3546 | 0.0381 | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for the detects of Aroclor 1248. | None | None | None | None | None |
| L0913922-05 | SB-28A (4'-5') | Soil | 10/1/09 | Method 3546 | 0.0371 | 1 | Yes | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (58%); however, the individual LCS/LCSD recoveries are within method limits. | None | None | None | None | None |
| L0913922-06 | SB-28A (5'-6') | Soil | 10/1/09 | Method 3546 | 0.0388 | 1 | No | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (58%); however, the individual LCS/LCSD recoveries are within method limits. | None | None | None | None | None |

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| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L0913922-09 | SB-31 (2'-3') | Soil | 10/1/09 | Method 3546 | **186** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0913922-10 | SB-31 (3'-4') | Soil | 10/1/09 | Method 3546 | **3.82** | 1 | Yes | The dual column RPD is above the acceptance criteria for Aroclor 1254; however, no obvious column interferences are present. The results have been qualified with a "P". | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0913922-11 | SB-31 (4'-5') | Soil | 10/1/09 | Method 3546 | **1.94** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0913922-12 | SB-31 (5'-6') | Soil | 10/1/09 | Method 3546 | 0.357 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0913922-15 | SB-32 (4'-5') | Soil | 10/1/09 | Method 3546 | **18500** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0913922-16 | SB-32 (5'-6') | Soil | 10/1/09 | Method 3546 | **3820** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0913922-19 | SB-33 (4'-5') | Soil | 10/1/09 | Method 3546 | **4.11** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0913922-20 | SB-33 (5'-6') | Soil | 10/1/09 | Method 3546 | 0.479 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0913922-23 | SB-34 (4'-5') | Soil | 10/1/09 | Method 3546 | 0.0371 | 1 | Yes | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (58%); however, the individual LCS/LCSD recoveries are within method limits. | None | None | None | None | None |
| L0913922-24 | SB-34 (5'-6') | Soil | 10/1/09 | Method 3546 | 0.0389 | 1 | Yes | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (58%); however, the individual LCS/LCSD recoveries are within method limits. | None | None | None | None | None |
| L0913922-25 | SB-35 (2'-3') | Soil | 10/1/09 | Method 3546 | **976** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0913922-26 | SB-35 (3'-4') | Soil | 10/1/09 | Method 3546 | **740** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0913922-27 | SB-35 (4'-5') | Soil | 10/1/09 | Method 3546 | **758** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0913922-28 | SB-35 (5'-6') | Soil | 10/1/09 | Method 3546 | **1.81** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0913922-29 | SB-36 (2'-3') | Soil | 10/1/09 | Method 3546 | **1.82** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0913922-30 | SB-36 (3'-4') | Soil | 10/1/09 | Method 3546 | 0.361 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L0913922-33 | SB-37 (2'-3') | Soil | 10/1/09 | Method 3546 | **1.82** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0913922-34 | SB-37 (3'-4') | Soil | 10/1/09 | Method 3546 | 0.372 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0913922-37 | SB-38 (2'-3') | Soil | 10/1/09 | Method 3546 | 0.362 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0913922-38 | SB-38 (3'-4') | Soil | 10/1/09 | Method 3546 | 0.401 | 1 | Yes | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (58%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0913922-41 | SB-39 (2'-3') | Soil | 10/1/09 | Method 3546 | 0.364 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0913922-42 | SB-39 (3'-4') | Soil | 10/1/09 | Method 3546 | 0.0384 | 1 | Yes | The LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (58%); however, the individual LCS/LCSD recoveries are within method limits. | None | None | None | None | None |
| L0913922-45 | SB-40 (2'-3') | Soil | 10/1/09 | Method 3546 | 0.764 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0913922-46 | SB-40 (3'-4') | Soil | 10/1/09 | Method 3546 | 0.739 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B". |
| L0915001-19 | SB-50(0'-1') | Soil | 10/20/09 | Method 3546 | **4370** | 1 | Yes | None | The surrogate recovery for LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclors 1248 and 1254. Because the associated sample concentrations are greater than 5x the blank concentration for this analyte, no qualification of the results was performed. Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915001-20 | SB-50(1'-2') | Soil | 10/20/09 | Method 3546 | **36.4** | 1 | Yes | None | The surrogate recovery for LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances. The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclors 1248 and 1254. Because the associated sample concentrations are greater than 5x the blank concentration for this analyte, no qualification of the results was performed. Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915002-01 | SB-50(2'-3') | Soil | 10/20/09 | Method 3546 | **375** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915002-02 | SB-51(0'-1') | Soil | 10/20/09 | Method 3546 | **1.86** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915002-03 | SB-51(1'-2') | Soil | 10/20/09 | Method 3546 | 0.0375 | 1 | Yes | None | None | None | None | None | None |
| L0915002-04 | SB-51(2'-3') | Soil | 10/20/09 | Method 3546 | 0.0346 | 1 | Yes | None | None | None | None | None | None |
| L0915002-05 | SB-52(0'-1') | Soil | 10/20/09 | Method 3546 | **3.70** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915002-06 | SB-52(1'-2') | Soil | 10/20/09 | Method 3546 | 0.415 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915002-07 | SB-52(2'-3') | Soil | 10/20/09 | Method 3546 | 0.353 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915002-08 | SB-53(0'-1') | Soil | 10/20/09 | Method 3546 | **777** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915002-09 | SB-53(1'-2') | Soil | 10/20/09 | Method 3546 | **1020** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

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**1 India Street, Providence, Rhode Island**

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L0915002-10 | SB-53(2'-3') | Soil | 10/20/09 | Method 3546 | **759** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915002-11 | SB-54(0'-1') | Soil | 10/20/09 | Method 3546 | 0.830 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915002-12 | SB-54(1'-2') | Soil | 10/20/09 | Method 3546 | 0.0375 | 1 | Yes | None | None | None | None | None | None |
| L0915002-13 | SB-54(2'-3') | Soil | 10/20/09 | Method 3546 | 0.0455 | 1 | Yes | None | None | None | None | None | None |
| L0915002-14 | SB-55(0'-1') | Soil | 10/20/09 | Method 3546 | **434** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915002-15 | SB-55(1'-2') | Soil | 10/20/09 | Method 3546 | **7.80** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915002-16 | SB-55(2'-3') | Soil | 10/20/09 | Method 3546 | **3.44** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915002-17 | SB-56(0'-1') | Soil | 10/20/09 | Method 3546 | **398** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915002-18 | SB-56(1'-2') | Soil | 10/20/09 | Method 3546 | **847** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915002-19 | SB-56(2'-3') | Soil | 10/20/09 | Method 3546 | **199** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915002-20 | SB-57(0'-1') | Soil | 10/20/09 | Method 3546 | **1.86** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915002-21 | SB-57(1'-2') | Soil | 10/20/09 | Method 3546 | 0.0395 | 1 | No | None | None | None | None | None | None |
| L0915002-22 | SB-57(2'-3') | Soil | 10/20/09 | Method 3546 | 0.0362 | 1 | No | None | None | None | None | None | None |
| L0915028-01 | SB-48 (0'-1') | Soil | 10/20/09 | Method 3546 | **8.04** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. Since the associated sample concentrations are greater than 5x the blank concentration for this analyte, no qualification of the results was performed. Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915028-02 | SB-48 (1'-2') | Soil | 10/20/09 | Method 3546 | 0.739 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. Since the associated sample concentrations are greater than 5x the blank concentration for this analyte, no qualification of the results was performed. Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915028-03 | SB-48 (2'-3') | Soil | 10/20/09 | Method 3546 | 0.0391 | 1 | Yes | None | None | None | None | None | None |
| L0915028-04 | SB-48 (3'-4') | Soil | 10/20/09 | Method 3546 | 0.0345 | 1 | No | None | None | None | None | None | None |
| L0915028-05 | SB-49 (0'-1') | Soil | 10/20/09 | Method 3546 | **7.83** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. Since the associated sample concentrations are greater than 5x the blank concentration for this analyte, no qualification of the results was performed. Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915028-06 | SB-49 (1'-2') | Soil | 10/20/09 | Method 3546 | 0.366 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. Since the associated sample concentrations are greater than 5x the blank concentration for this analyte, no qualification of the results was performed. Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915028-07 | SB-49 (2'-3') | Soil | 10/20/09 | Method 3546 | 0.0376 | 1 | Yes | None | None | None | None | None | None |
| L0915028-08 | SB-49 (3'-4') | Soil | 10/20/09 | Method 3546 | 0.0352 | 1 | No | None | None | None | None | None | None |
| L0915740-01 | SB-47 (0'-1') | Soil | 10/20/09 | Method 3546 | **795** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915740-02 | SB-47 (1'-2') | Soil | 10/20/09 | Method 3546 | **773** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915740-03 | SB-47 (2'-3') | Soil | 10/20/09 | Method 3546 | 0.380 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L0915740-04 | SB-50 (3'-4') | Soil | 10/20/09 | Method 3546 | **176** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915740-05 | SB-50 (4'-5') | Soil | 10/20/09 | Method 3546 | **733** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915740-06 | SB-50 (5'-6') | Soil | 10/20/09 | Method 3546 | **730** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915740-07 | SB-53 (3'-4') | Soil | 10/20/09 | Method 3546 | **360** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915740-08 | SB-53 (4'-5') | Soil | 10/20/09 | Method 3546 | **77.9** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915740-09 | SB-53 (5'-6') | Soil | 10/20/09 | Method 3546 | **38.3** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915740-10 | SB-55 (3'-4') | Soil | 10/20/09 | Method 3546 | **7.16** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915740-11 | SB-55 (4'-5') | Soil | 10/20/09 | Method 3546 | **3.64** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915740-12 | SB-55 (5'-6') | Soil | 10/20/09 | Method 3546 | **3.68** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915740-13 | SB-56 (3'-4') | Soil | 10/20/09 | Method 3546 | 0.351 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915740-14 | SB-56 (4'-5') | Soil | 10/20/09 | Method 3546 | 0.0354 | 1 | Yes | None | None | None | None | None | None |
| L0915740-15 | SB-56 (5'-6') | Soil | 10/20/09 | Method 3546 | 0.0393 | 1 | Yes | None | None | None | None | None | None |
| L0915740-16 | SB-58 (0'-1') | Soil | 10/20/09 | Method 3546 | **19.6** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915740-17 | SB-58 (1'-2') | Soil | 10/20/09 | Method 3546 | 0.220 | 1 | Yes | None | None | None | None | None | None |
| L0915740-18 | SB-58 (2'-3') | Soil | 10/20/09 | Method 3546 | 0.0344 | 1 | No | None | None | None | None | None | None |
| L0915740-19 | SB-59 (0'-1') | Soil | 10/20/09 | Method 3546 | **3.58** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915740-20 | SB-59 (1'-2') | Soil | 10/20/09 | Method 3546 | **4.00** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915740-21 | SB-59 (2'-3') | Soil | 10/20/09 | Method 3546 | **7.90** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. Since the associated sample concentrations are greater than 5x the blank concentration for this analyte, no qualification of the results was performed. Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915740-22 | SB-60 (0'-1') | Soil | 10/20/09 | Method 3546 | 0.761 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. Since the associated sample concentrations are greater than 5x the blank concentration for this analyte, no qualification of the results was performed. Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915740-23 | SB-60 (1'-2') | Soil | 10/20/09 | Method 3540C | 0.388 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0915740-24 | SB-60 (2'-3') | Soil | 10/20/09 | Method 3546 | 0.0341 | 1 | No | None | None | None | None | None | Method Blank has a concentration above the reporting limit for Aroclor 1248. Since the sample was non-detect for this target analyte, no further actions were taken. |
| L0916482-01 | SB-59 (3'-4') | Soil | 10/20/09 | Method 3546 | **45.0** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. Method Blank has a concentration above the reporting limit for Aroclor 1248. Since the associated sample concentration is greater than 5x the Method Blank concentration for this analyte, no qualification of the results was performed. |
| L0916482-02 | SB-59 (4'-5') | Soil | 10/20/09 | Method 3546 | 0.0367 | 1 | Yes | None | None | None | None | None | None |
| L0916482-03 | SB-59 (5'-6') | Soil | 10/20/09 | Method 3546 | 0.0380 | 1 | Yes | None | None | None | None | None | None |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L0918108-01 | SB-61(0'-1') | Soil | 12/11/09 | Method 3540C | 0.0369 | 1 | No | None | The surrogate recoveries for Method Blank are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (16%/19%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken. | None | None | None | None |
| L0918108-02 | SB-61(1'-2') | Soil | 12/11/09 | Method 3540C | 0.0350 | 1 | No | None | The surrogate recoveries for Method Blank are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (16%/19%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken. | None | None | None | None |
| L0918108-03 | SB-61(2'-3') | Soil | 12/11/09 | Method 3540C | 0.0350 | 1 | No | None | The surrogate recoveries for Method Blank are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (16%/19%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken. | None | None | None | None |
| L0918108-04 | SB-61(3'-4') | Soil | 12/11/09 | Method 3540C | 0.0353 | 1 | No | None | The surrogate recoveries for Method Blank are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (16%/19%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken. | None | None | None | None |
| L0918108-05 | SB-61(4'-5') | Soil | 12/11/09 | Method 3540C | 0.0358 | 1 | No | None | The surrogate recoveries for Method Blank are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (16%/19%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken. | None | None | None | None |
| L0918108-06 | SB-61(5'-6') | Soil | 12/11/09 | Method 3540C | 0.0347 | 1 | No | None | The surrogate recoveries for Method Blank are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (16%/19%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken. | None | None | None | None |
| L0918108-07 | SB-61(6'-7') | Soil | 12/11/09 | Method 3546 | 0.0348 | 1 | Yes | None | None | None | None | None | None |
| L0918108-08 | SB-61(7'-8') | Soil | 12/11/09 | Method 3546 | 0.0320 | 1 | Yes | None | None | None | None | None | None |
| L0918108-09 | SB-62(0'-1') | Soil | 12/11/09 | Method 3540C | 0.0739 | 1 | No | None | The surrogate recoveries for Method Blank are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (16%/19%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken. | None | None | None | Elevated detection limits due to dilution required by matrix interferences encountered during the concentration of the sample. |
| L0918108-10 | SB-62(1'-2') | Soil | 12/11/09 | Method 3540C | 0.0362 | 1 | No | None | The surrogate recoveries for Method Blank are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (16%/19%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken. | None | None | None | None |
| L0918108-11 | SB-62(2'-3') | Soil | 12/11/09 | Method 3540C | 0.0353 | 1 | No | None | The surrogate recoveries for Method Blank are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (16%/19%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken. | None | None | None | None |
| L0918108-12 | SB-62(3'-4') | Soil | 12/11/09 | Method 3540C | 0.0368 | 1 | No | None | The surrogate recoveries for Method Blank are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (16%/19%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken. | None | None | None | None |
| L0918108-13 | SB-62(4'-5') | Soil | 12/11/09 | Method 3540C | 0.0364 | 1 | No | None | The surrogate recoveries for Method Blank are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (16%/19%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken. | None | None | None | None |
| L0918108-14 | SB-62(5'-6') | Soil | 12/11/09 | Method 3540C | 0.180 | 1 | No | None | The surrogate recoveries were outside the acceptance criteria for Decachlorobiphenyl (306%/368%); however, the sample was not re-extracted due to coelution with obvious interferences. The results are not considered to be biased. The surrogate recoveries for Method Blank are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (16%/19%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken. | None | None | None | Elevated detection limits due to dilution required by matrix interferences encountered during the concentration of the sample. |
| L0918108-16 | SB-62(7'-8') | Soil | 12/11/09 | Method 3540C | 0.207 | 1 | No | None | The surrogate recoveries for Method Blank are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (16%/19%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken. | None | None | None | Elevated detection limits due to dilution required by matrix interferences encountered during the concentration of the sample. |
| L0918108-17 | SB-63(0'-1') | Soil | 12/11/09 | Method 3540C | 0.0356 | 1 | No | None | The surrogate recoveries for Method Blank are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (16%/19%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken. | None | None | None | None |
| L0918108-18 | SB-63(1'-2') | Soil | 12/11/09 | Method 3540C | 0.0353 | 1 | No | None | The surrogate recoveries for Method Blank are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (16%/19%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken. | None | None | None | None |
| L0918108-19 | SB-63(2'-3') | Soil | 12/11/09 | Method 3540C | 0.0353 | 1 | No | None | The surrogate recoveries for Method Blank are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (16%/19%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken. | None | None | None | None |
| L0918108-20 | SB-63(3'-4') | Soil | 12/11/09 | Method 3540C | 0.0378 | 1 | No | None | The surrogate recoveries for Method Blank are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (16%/19%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken. | None | None | None | None |
| L0918110-01 | SB-63(4'-5') | Soil | 12/11/09 | Method 3546 | 0.0369 | 1 | No | None | None | None | None | None | None |
| L0918110-02 | SB-63(5'-6') | Soil | 12/11/09 | Method 3546 | 0.0701 | 1 | No | None | None | None | None | None | Elevated detection limits due to dilution required by matrix interferences encountered during the concentration of the sample. |
| L0918110-03 | SB-63(6'-7') | Soil | 12/11/09 | Method 3546 | 0.0371 | 1 | No | None | None | None | None | None | None |
| L0918110-04 | SB-63(7'-8') | Soil | 12/11/09 | Method 3546 | 0.0355 | 1 | No | None | None | None | None | None | None |
| L0918110-05 | SB-64(0'-1') | Soil | 12/11/09 | Method 3546 | **4.21** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918110-06 | SB-64(1'-2') | Soil | 12/11/09 | Method 3546 | 0.739 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L0918110-07 | SB-64(2'-3') | Soil | 12/11/09 | Method 3546 | 0.203 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918110-08 | SB-65(0'-1') | Soil | 12/11/09 | Method 3546 | 0.0351 | 1 | Yes | None | None | None | None | None | None |
| L0918110-09 | SB-65(1'-2') | Soil | 12/11/09 | Method 3546 | 0.0360 | 1 | No | None | None | None | None | None | None |
| L0918110-10 | SB-65(2'-3') | Soil | 12/11/09 | Method 3546 | **3.89** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918110-11 | SB-65(3'-4') | Soil | 12/11/09 | Method 3546 | **4.90** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918110-12 | SB-66(0'-1') | Soil | 12/11/09 | Method 3546 | 0.771 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918110-13 | SB-66(1'-2') | Soil | 12/11/09 | Method 3546 | 0.753 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918110-14 | SB-66(2'-3') | Soil | 12/11/09 | Method 3546 | 0.779 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918110-15 | SB-70(0'-1') | Soil | 12/11/09 | Method 3546 | **3.93** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918110-16 | SB-70(1'-2') | Soil | 12/11/09 | Method 3546 | **3.97** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918110-17 | SB-70(2'-3') | Soil | 12/11/09 | Method 3546 | 0.824 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918110-18 | SB-71(0'-1') | Soil | 12/11/09 | Method 3546 | 0.741 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918113-01 | SB-71(1'-2') | Soil | 12/11/09 | Method 3546 | 0.725 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918113-02 | SB-71(2'-3') | Soil | 12/11/09 | Method 3546 | **3.91** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918113-03 | SB-72(0'-1') | Soil | 12/11/09 | Method 3546 | 0.196 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918113-04 | SB-72(1'-2') | Soil | 12/11/09 | Method 3546 | 0.0377 | 1 | No | None | None | None | None | None | None |
| L0918113-05 | SB-72(2'-3') | Soil | 12/11/09 | Method 3546 | 0.0360 | 1 | No | None | None | None | None | None | None |
| L0918113-06 | SB-76(0'-1') | Soil | 12/11/09 | Method 3546 | 0.0382 | 1 | Yes | None | None | None | None | None | None |
| L0918113-07 | SB-76(1'-2') | Soil | 12/11/09 | Method 3546 | 0.0383 | 1 | Yes | None | None | None | None | None | None |
| L0918113-08 | SB-76(2'-3') | Soil | 12/11/09 | Method 3546 | 0.0344 | 1 | No | None | None | None | None | None | None |
| L0918113-09 | SB-76(3'-4') | Soil | 12/11/09 | Method 3546 | 0.0360 | 1 | No | None | None | None | None | None | None |
| L0918113-10 | SB-76(4'-5') | Soil | 12/11/09 | Method 3546 | 0.0341 | 1 | No | None | None | None | None | None | None |
| L0918113-11 | SB-76(5'-6') | Soil | 12/11/09 | Method 3546 | 0.0355 | 1 | No | None | None | None | None | None | None |
| L0918113-12 | SB-77(0'-1') | Soil | 12/11/09 | Method 3546 | 0.0355 | 1 | No | None | None | None | None | None | None |
| L0918113-13 | SB-77(1'-2') | Soil | 12/11/09 | Method 3546 | 0.0370 | 1 | No | None | None | None | None | None | None |
| L0918113-14 | SB-77(2'-3') | Soil | 12/11/09 | Method 3546 | 0.0360 | 1 | No | None | None | None | None | None | None |
| L0918113-15 | SB-77(3'-4') | Soil | 12/11/09 | Method 3546 | 0.0344 | 1 | No | None | None | None | None | None | None |
| L0918113-16 | SB-77(4'-5') | Soil | 12/11/09 | Method 3546 | 0.0361 | 1 | No | None | None | None | None | None | None |
| L0918113-17 | SB-77(5'-6') | Soil | 12/11/09 | Method 3546 | 0.0347 | 1 | No | None | None | None | None | None | None |
| L0918113-18 | SB-78(0'-1') | Soil | 12/11/09 | Method 3546 | 0.0400 | 1 | No | None | None | None | None | None | None |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L0918113-19 | SB-78(1'-2') | Soil | 12/11/09 | Method 3546 | 0.0371 | 1 | No | None | None | None | None | None | None |
| L0918113-20 | SB-78(2'-3') | Soil | 12/11/09 | Method 3546 | 0.0348 | 1 | No | None | None | None | None | None | None |
| L0918113-21 | SB-78(3'-4') | Soil | 12/11/09 | Method 3546 | 0.0363 | 1 | No | None | None | None | None | None | None |
| L0918113-22 | SB-78(4'-5') | Soil | 12/11/09 | Method 3546 | 0.0356 | 1 | No | None | None | None | None | None | None |
| L0918113-23 | SB-78(5'-6') | Soil | 12/11/09 | Method 3546 | 0.0366 | 1 | No | None | None | None | None | None | None |
| L0918645-01 | SB-65 (4'-5') | Soil | 12/11/09 | Method 3540C | **38.8** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918645-02 | SB-65 (5'-6') | Soil | 12/11/09 | Method 3540C | **118** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918645-03 | SB-66 (3'-4') | Soil | 12/11/09 | Method 3540C | 0.0353 | 1 | No | None | The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | None |
| L0918645-04 | SB-67 (0'-1') | Soil | 12/11/09 | Method 3540C | **11.4** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918645-05 | SB-67 (1'-2') | Soil | 12/11/09 | Method 3540C | 0.175 | 1 | Yes | None | The surrogate recovery is above the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (180%), but within the overall method allowances. The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918645-06 | SB-67 (2'-3') | Soil | 12/11/09 | Method 3540C | 0.648 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918645-07 | SB-67 (3'-4') | Soil | 12/11/09 | Method 3540C | 0.701 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918645-08 | SB-68 (0'-1') | Soil | 12/11/09 | Method 3540C | 0.364 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918645-09 | SB-68 (1'-2') | Soil | 12/11/09 | Method 3540C | **72.9** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918645-10 | SB-68 (2'-3') | Soil | 12/11/09 | Method 3540C | 0.0355 | 1 | Yes | None | The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | None |
| L0918645-11 | SB-69 (0'-1') | Soil | 12/11/09 | Method 3540C | 0.187 | 1 | Yes | None | The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples. |
| L0918645-12 | SB-69 (1'-2') | Soil | 12/11/09 | Method 3540C | 0.776 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918645-13 | SB-69 (2-3') | Soil | 12/11/09 | Method 3540C | 0.0755 | 1 | Yes | None | The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples. |
| L0918645-14 | SB-69 (3'-4') | Soil | 12/11/09 | Method 3540C | 0.0349 | 1 | No | None | The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | None |
| L0918645-15 | SB-70 (3'-4') | Soil | 12/11/09 | Method 3540C | 0.184 | 1 | Yes | None | The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918645-16 | SB-70 (4'-5') | Soil | 12/11/09 | Method 3540C | 0.180 | 1 | Yes | None | The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918645-17 | SB-70 (5'-6') | Soil | 12/11/09 | Method 3540C | 0.375 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918645-18 | SB-71 (3'-4') | Soil | 12/11/09 | Method 3540C | 0.0346 | 1 | Yes | None | The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | None |
| L0918645-19 | SB-71 (4'-5') | Soil | 12/11/09 | Method 3540C | 0.0339 | 1 | No | None | The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | None |
| L0918645-20 | SB-72 (3'-4') | Soil | 12/11/09 | Method 3540C | 0.0383 | 1 | Yes | None | The surrogate recovery for the LCSD is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances. | None | None | None | None |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L0918645-21 | SB-73 (0'-1') | Soil | 12/11/09 | Method 3540C | **6.22** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | None |
| L0918645-22 | SB-73 (1'-2') | Soil | 12/11/09 | Method 3540C | 0.210 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918645-23 | SB-73 (2'-3') | Soil | 12/11/09 | Method 3540C | 0.0353 | 1 | No | None | None | None | None | None | None |
| L0918645-24 | SB-74 (0'-1') | Soil | 12/11/09 | Method 3540C | 0.741 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918645-25 | SB-74 (1'-2') | Soil | 12/11/09 | Method 3540C | 0.0372 | 1 | Yes | None | None | None | None | None | None |
| L0918645-26 | SB-74 (2'-3') | Soil | 12/11/09 | Method 3540C | 0.0382 | 1 | No | None | None | None | None | None | None |
| L0918645-27 | SB-75 (0'-1') | Soil | 12/11/09 | Method 3540C | 0.200 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L0918645-28 | SB-75 (1'-2') | Soil | 12/11/09 | Method 3540C | 0.0371 | 1 | Yes | None | None | None | None | None | None |
| L0918645-29 | SB-75 (2'-3') | Soil | 12/11/09 | Method 3540C | 0.0452 | 1 | No | None | None | None | None | None | None |
| L1001072-02 | WC-1 | GW | 1/21/10 | Method 3510C | 0.250 | 0.5 | No | LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (31%); however, the individual LCS/LCSD recoveries are within method limits. | None | None | None | None | None |
| L1001072-03 | WC-2 | GW | 1/21/10 | Method 3510C | 0.250 | 0.5 | Yes | LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (31%); however, the individual LCS/LCSD recoveries are within method limits. | None | None | None | None | None |
| L1001072-01 | WC-5 | GW | 1/21/10 | Method 3510C | 0.250 | 0.5 | No | LCS/LCSD RPD is above the acceptance criteria for Aroclor 1016 (31%); however, the individual LCS/LCSD recoveries are within method limits. | None | None | None | None | None |
| L1007501-01 | SB-43A(0-3") | Soil | 5/18/10 | Method 3540C | **1.92** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007501-02 | SB-43A(0-3") DUP | Soil | 5/18/10 | Method 3540C | **1.45** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007501-03 | SB-45A(0-3") | Soil | 5/18/10 | Method 3540C | **7.34** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007501-04 | SB-79 (0-1') | Soil | 5/18/10 | Method 3540C | 0.139 | 1 | No | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007501-05 | SB-80(0-1') | Soil | 5/19/10 | Method 3540C | 0.91 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007501-06 | SB-81(0-1') | Soil | 5/18/10 | Method 3540C | 0.139 | 1 | Yes | The dual column RPD is above the acceptance criteria for Aroclor 1254; however, no obvious column interferences are present. The results have been qualified with a "P". | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007501-07 | SB-121(0-1') | Soil | 5/19/10 | Method 3540C | 0.151 | 1 | Yes | None | None | None | None | None | None |
| L1007501-08 | SB-122 (0-1') | Soil | 5/19/10 | Method 3540C | 0.171 | 1 | Yes | None | None | None | None | None | None |
| L1007501-09 | SB-123 (0-1') | Soil | 5/19/10 | Method 3540C | 0.155 | 1 | Yes | None | None | None | None | None | None |
| L1007501-10 | SB-124 (0-1)' | Soil | 5/19/10 | Method 3540C | 0.167 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007501-11 | SB-125 (0-1') | Soil | 5/19/10 | Method 3540C | 0.74 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007501-12 | SB-126 (0-1') | Soil | 5/18/10 | Method 3540C | 0.148 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1007501-13 | SB-127 (0-1') | Soil | 5/18/10 | Method 3540C | 0.149 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007503-01 | SB-43A (3-6") | Soil | 5/18/10 | Method 3540C | 0.79 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007503-02 | SB-43A (6-9") | Soil | 5/18/10 | Method 3540C | 0.961 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007503-03 | SB-43A (9-12") | Soil | 5/18/10 | Method 3540C | **1.15** | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007503-04 | SB-45A (3-6") | Soil | 5/18/10 | Method 3540C | 0.786 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007503-05 | SB-45A (6-9") | Soil | 5/18/10 | Method 3540C | 0.0384 | 1 | Yes | None | None | None | None | None | None |
| L1007503-06 | SB-45A (9-12") | Soil | 5/18/10 | Method 3540C | 0.0364 | 1 | Yes | None | None | None | None | None | None |
| L1007503-09 | SB-80 (1-2') | Soil | 5/19/10 | Method 3540C | 0.0341 | 1 | Yes | None | None | None | None | None | None |
| L1007503-10 | SB-80 (0-3") | Soil | 5/19/10 | Method 3540C | 0.12 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample. |
| L1007503-11 | SB-81 (1-2') | Soil | 5/18/10 | Method 3540C | 0.751 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007503-12 | SB-81 (0-3") | Soil | 5/18/10 | Method 3540C | 0.726 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007503-13 | SB-121 (1-2') | Soil | 5/19/10 | Method 3540C | 0.0357 | 1 | No | LCS/LCSD recoveries were above the acceptance criteria for Aroclor 1016 (197%/151%); however, the associated samples were non-detect. | None | None | None | None | None |
| L1007503-17 | SB-125 (1-2') | Soil | 5/19/10 | Method 3540C | 0.0336 | 1 | No | LCS/LCSD recoveries were above the acceptance criteria for Aroclor 1016 (197%/151%); however, the associated samples were non-detect. | None | None | None | None | None |
| L1007503-18 | SB-126 (1-2') | Soil | 5/18/10 | Method 3540C | 0.184 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-01 | SB-25A (0-3") | Soil | 5/18/10 | Method 3540C | 0.0344 | 1 | Yes | None | | None | None | None | None |
| L1007677-02 | SB-49A (0-3") | Soil | 5/18/10 | Method 3540C | **3.72** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-03 | SB-49A (3-6") | Soil | 5/18/10 | Method 3540C | **3.88** | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclor 1248. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-04 | SB-49A (3-6") DUP | Soil | 5/18/10 | Method 3540C | **11.8** | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclor 1248 and Aroclor 1254. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-05 | SB-52A (0-3") | Soil | 5/18/10 | Method 3540C | **1.92** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-06 | SB-52A (3.6") | Soil | 5/18/10 | Method 3540C | **11.1** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. The MS/MSD was not analyzed due to the dilution required by the elevated concentration of target compounds present in the sample to be utilized for the MS/MSD would have caused the spike cpompound to be diluted below the range of calibration. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-07 | SB-54A (0-3") | Soil | 5/18/10 | Method 3540C | **7.49** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-08 | SB-54A (3.6") | Soil | 5/18/10 | Method 3540C | **7.78** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-09 | SB-60A (0-3") | Soil | 5/18/10 | Method 3540C | **15.4** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1007677-10 | SB-60A (3.6") | Soil | 5/18/10 | Method 3540C | **15** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-11 | SB-82 (0-3") | Soil | 5/18/10 | Method 3540C | 0.0351 | 1 | Yes | The dual column RPD is above the acceptance criteria for Aroclor 1254; however, no obvious column interferences are present. The results have been qualified with a "P". | None | None | None | None | None |
| L1007677-12 | SB-83 (0-3") | Soil | 5/18/10 | Method 3540C | 0.0361 | 1 | Yes | None | None | None | None | None | None |
| L1007677-13 | SB-84 (0-1') | Soil | 5/19/10 | Method 3540C | **19.2** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-14 | SB-84 (1-2') | Soil | 5/19/10 | Method 3540C | **7.54** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-15 | SB-85 (0-1') | Soil | 5/19/10 | Method 3540C | **7.67** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-16 | SB-85 (1-2') | Soil | 5/19/10 | Method 3540C | **19.4** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-17 | SB-86 (0-1') | Soil | 5/19/10 | Method 3540C | **8.17** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. The MS/MSD was not analyzed due to the dilution required by the elevated concentration of target compounds present in the sample to be utilized for the MS/MSD would have caused the spike cpompound to be diluted below the range of calibration. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-18 | SB-86 (1-2') | Soil | 5/19/10 | Method 3540C | 0.372 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-19 | SB-87 (0-1') | Soil | 5/19/10 | Method 3540C | **1.44** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-20 | SB-87 (1-2') | Soil | 5/19/10 | Method 3540C | 0.807 | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclor 1248 and Aroclor 1254. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-21 | SB-87 (1-2') DUP | Soil | 5/19/10 | Method 3540C | 0.375 | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclor 1248 and Aroclor 1254. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-22 | SB-88 (0-1') | Soil | 5/19/10 | Method 3540C | **4.040** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-23 | SB-88 (1-2') | Soil | 5/19/10 | Method 3540C | 0.747 | 1 | Yes | The dual column RPD is above the acceptance criteria for Aroclor 1254; however, no obvious column interferences are present. The results have been qualified with a "P". | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-24 | SB-89 (0-1') | Soil | 5/19/10 | Method 3540C | **8.13** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-25 | SB-89 (1-2') | Soil | 5/19/10 | Method 3540C | **26.2** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007677-26 | SB-90 (0-1') | Soil | 5/19/10 | Method 3540C | **1.85** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007697-01 | SB-90 (1-2') | Soil | 5/19/10 | Method 3540C | 0.0373 | 1 | No | None | None | None | None | None | None |
| L1007697-02 | SB-91 (0-1') | Soil | 5/19/10 | Method 3540C | **3.32** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007697-03 | SB-91(1-2') | Soil | 5/19/10 | Method 3540C | 0.594 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007697-04 | SB-92 (0-1') | Soil | 5/19/10 | Method 3540C | 0.449 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1007697-05 | SB-92 (1-2') | Soil | 5/19/10 | Method 3540C | 0.186 | 1 | Yes | The dual column RPD is above the acceptance criteria for Aroclor 1254; however, no obvious column interferences are present. The results have been qualified with a "P". | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007697-06 | SB-93 (0-1') | Soil | 5/19/10 | Method 3540C | **9.45** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007697-07 | SB-93 (1-2') | Soil | 5/19/10 | Method 3540C | **2.33** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007697-08 | SB-94 (0-1') | Soil | 5/19/10 | Method 3540C | 0.193 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007697-09 | SB-94 (1-2') | Soil | 5/19/10 | Method 3540C | 0.0366 | 1 | Yes | The dual column RPD is above the acceptance criteria for Aroclor 1248; however, no obvious column interferences are present. The results have been qualified with a "P". | None | None | None | None | None |
| L1007697-10 | SB-95 (0-1') | Soil | 5/19/10 | Method 3540C | **1.36** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007697-11 | SB-95 (1-2') | Soil | 5/19/10 | Method 3540C | **1.89** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007697-12 | SB-96 (0-1') | Soil | 5/19/10 | Method 3540C | **5.76** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007697-13 | SB-97 (0-1') | Soil | 5/19/10 | Method 3540C | 0.183 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007697-14 | SB-98 (0-1') | Soil | 5/19/10 | Method 3540C | **3.18** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007697-15 | SB-99 (0-1') | Soil | 5/19/10 | Method 3540C | **4.05** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007697-16 | SB-100 (0-1') | Soil | 5/19/10 | Method 3540C | **4.18** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples.The MS/MSD was not analyzed due to the dilution required by the elevated concentration of target compounds present in the sample to be utilized for the MS/MSD would have caused the spike cpompound to be diluted below the range of calibration. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007697-17 | SB-100 (1-2') | Soil | 5/19/10 | Method 3540C | 0.38 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007697-18 | SB-101 (0-3") | Soil | 5/19/10 | Method 3540C | 0.0347 | 1 | No | None | None | None | None | None | None |
| L1007698-01 | SB-128 (0-1') | Soil | 5/19/10 | Method 3540C | 0.0357 | 1 | Yes | None | None | None | None | None | None |
| L1007698-02 | SB-128 (1-2') | Soil | 5/19/10 | Method 3540C | 0.034 | 1 | No | None | None | None | None | None | None |
| L1007698-03 | SB-128 (2-3') | Soil | 5/19/10 | Method 3540C | 0.0367 | 1 | No | None | None | None | None | None | None |
| L1007698-04 | SB-129 (0-1') | Soil | 5/19/10 | Method 3540C | 0.0379 | 1 | No | None | None | None | None | None | None |
| L1007698-05 | SB-129 (0-1') DUP | Soil | 5/19/10 | Method 3540C | 0.0365 | 1 | No | None | None | None | None | None | None |
| L1007698-06 | SB-129(1-2') | Soil | 5/19/10 | Method 3540C | 0.0389 | 1 | No | None | None | None | None | None | None |
| L1007698-07 | SB-129 (2-3') | Soil | 5/19/10 | Method 3540C | 0.0369 | 1 | Yes | None | None | None | None | None | None |
| L1007698-08 | SB-130 (0-1') | Soil | 5/19/10 | Method 3540C | 0.233 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007698-09 | SB-130 (1-2') | Soil | 5/19/10 | Method 3540C | 0.379 | 1 | Yes | None | None | None | None | None | None |
| L1007698-10 | SB-130 (2-3') | Soil | 5/19/10 | Method 3540C | 0.04 | 1 | Yes | None | None | None | None | None | None |
| L1007698-11 | SB-131 (0-1) | Soil | 5/19/10 | Method 3540C | 0.0387 | 1 | Yes | None | None | None | None | None | None |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1007698-12 | SB-131(1-2') | Soil | 5/19/10 | Method 3540C | 0.0362 | 1 | Yes | The MS/MSD recoveries for Aroclor 1016 (149%/167%) are above the method acceptance criteria due to interference with Aroclor 1248 present in the sample. The MSD recovery for Aroclor 1260 (171%) is above the method acceptance criteria due to interference with Aroclors 1248 and 1254 present in the sample. | None | None | None | None | None |
| L1007698-13 | SB-131 (2-3') | Soil | 5/19/10 | Method 3540C | 0.18 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007698-14 | SB-37A (2-3') | Soil | 5/20/10 | Method 3540C | **3.96** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007698-15 | SB-37A (3-4') | Soil | 5/20/10 | Method 3540C | 0.38 | 1 | Yes | None | None | None | None | None | |
| L1007698-16 | SB-40A (1-2') | Soil | 5/20/10 | Method 3540C | **8.22** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007698-17 | SB-40A (2-3') | Soil | 5/20/10 | Method 3540C | 0.733 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007698-18 | SB-56A (2-3') | Soil | 5/20/10 | Method 3540C | **208** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007698-19 | SB-56A (3-4') | Soil | 5/20/10 | Method 3540C | **3.65** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007698-20 | SB-69A (12-15") | Soil | 5/20/10 | Method 3540C | 0.191 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007698-21 | SB-69A (15-18") | Soil | 5/20/10 | Method 3540C | 0.749 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007698-22 | SB-102 (0-1') | Soil | 5/20/10 | Method 3540C | **20** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007698-23 | SB-102(0-1') DUP | Soil | 5/20/10 | Method 3540C | **7.95** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007698-24 | SB-102 (1-2') | Soil | 5/20/10 | Method 3540C | 0.69 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007698-25 | SB-102 (2-3') | Soil | 5/20/10 | Method 3540C | 0.372 | 1 | Yes | None | None | None | None | None | None |
| L1007698-26 | SB-103 (0-1') | Soil | 5/20/10 | Method 3540C | **3.73** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007698-27 | SB-104 (0-1') | Soil | 5/20/10 | Method 3540C | **7.42** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007699-01 | SB-105 (0-1') | Soil | 5/20/10 | Method 3540C | 0.761 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007699-02 | SB-105 (1-2') | Soil | 5/20/10 | Method 3540C | 0.041 | 1 | Yes | None | None | None | None | None | None |
| L1007699-03 | SB-105 (2-3') | Soil | 5/20/10 | Method 3540C | 0.0359 | 1 | Yes | The dual column RPD is above the acceptance criteria for Aroclor 1248; however, no obvious column interferences are present. The results have been qualified with a "P". | None | None | None | None | None |
| L1007699-04 | SB-106 (0-1') | Soil | 5/20/10 | Method 3540C | 0.187 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007699-05 | SB-106 (1-2') | Soil | 5/20/10 | Method 3540C | 0.0722 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the sample. |
| L1007699-06 | SB-106 (2-3') | Soil | 5/20/10 | Method 3540C | 0.0328 | 1 | No | None | None | None | None | None | None |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1007699-07 | SB-107 (0-1') | Soil | 5/20/10 | Method 3540C | **3.94** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples.The MS/MSD was not analyzed due to the dilution required by the elevated concentration of target compounds present in the sample to be utilized for the MS/MSD would have caused the spike cpompound to be diluted below the range of calibration. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007699-08 | SB-107 (1-2') | Soil | 5/20/10 | Method 3540C | 0.945 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007699-09 | SB-107 (2-3') | Soil | 5/20/10 | Method 3540C | **7.13** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007699-10 | SB-107 (3-4') | Soil | 5/20/10 | Method 3540C | **7.01** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007699-11 | SB-107 (4-5') | Soil | 5/20/10 | Method 3540C | **4.15** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007699-12 | SB-114 (0-1') | Soil | 5/20/10 | Method 3540C | **3.78** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007699-13 | SB-114 (1-2') | Soil | 5/20/10 | Method 3540C | 0.775 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007699-14 | SB-114 (2-3') | Soil | 5/20/10 | Method 3540C | 0.0354 | 1 | No | None | None | None | None | None | None |
| L1007699-15 | SB-114 (3-4') | Soil | 5/20/10 | Method 3540C | 0.0329 | 1 | No | None | None | None | None | None | None |
| L1007699-16 | SB-115 (0-1') | Soil | 5/20/10 | Method 3540C | **191** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007699-17 | SB-115 (1-2') | Soil | 5/20/10 | Method 3540C | **18.9** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007699-18 | SB-115 (2-3') | Soil | 5/20/10 | Method 3540C | 0.0335 | 1 | Yes | None | None | None | None | None | None |
| L1007700-01 | SB-115 (3-4') | Soil | 5/20/10 | Method 3540C | 0.0375 | 1 | Yes | None | None | None | None | None | |
| L1007700-02 | SB-116 (0-1') | Soil | 5/20/10 | Method 3540C | **95.6** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007700-03 | SB-116(1-2') | Soil | 5/20/10 | Method 3540C | **18.7** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007700-04 | SB-116 (2-3') | Soil | 5/20/10 | Method 3540C | 0.474 | 1 | Yes | The dual column RPD is above the acceptance criteria for Aroclor 1248; however, no obvious column interferences are present. The results have been qualified with a "P". | None | None | None | None | None |
| L1007700-05 | SB-116 (3-4') | Soil | 5/20/10 | Method 3540C | 0.0339 | 1 | Yes | The dual column RPD is above the acceptance criteria for Aroclor 1248; however, no obvious column interferences are present. The results have been qualified with a "P". | None | None | None | None | None |
| L1007700-06 | SB-116 (4-5') | Soil | 5/20/10 | Method 3540C | **36.4** | 1 | Yes | LCSD RPD is below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, theLCSD spike compounds are within overall method allowances. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007700-07 | SB-117 (0-1') | Soil | 5/20/10 | Method 3540C | 0.0351 | 1 | Yes | LCSD RPD is below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, theLCSD spike compounds are within overall method allowances. | None | None | None | None | None |

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| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1007700-08 | SB-117 (1-2') | Soil | 5/20/10 | Method 3540C | **36.7** | 1 | Yes | LCSD RPD is below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, theLCSD spike compounds are within overall method allowances. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007700-09 | SB-117 (2-3') | Soil | 5/20/10 | Method 3540C | **35.7** | 1 | Yes | LCSD RPD is below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, theLCSD spike compounds are within overall method allowances. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007700-10 | SB-117 (3-4') | Soil | 5/20/10 | Method 3540C | **35** | 1 | Yes | LCSD RPD is below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, theLCSD spike compounds are within overall method allowances. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007700-11 | SB-117 (4-5') | Soil | 5/20/10 | Method 3540C | **38.4** | 1 | Yes | LCSD RPD is below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, theLCSD spike compounds are within overall method allowances. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007700-12 | SB-117 (5-6') | Soil | 5/20/10 | Method 3540C | **48.2** | 1 | Yes | LCSD RPD is below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, theLCSD spike compounds are within overall method allowances. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007700-13 | SB-117 (6-7') | Soil | 5/20/10 | Method 3540C | **3.88** | 1 | Yes | LCSD RPD is below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, theLCSD spike compounds are within overall method allowances. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007700-14 | SB-118(0-1') | Soil | 5/20/10 | Method 3540C | 0.0356 | 1 | No | LCSD RPD is below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, theLCSD spike compounds are within overall method allowances. | None | None | None | None | None |
| L1007700-15 | SB-118 (1-2') | Soil | 5/20/10 | Method 3540C | 0.0344 | 1 | No | LCSD RPD is below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, theLCSD spike compounds are within overall method allowances. | None | None | None | None | None |
| L1007700-16 | SB-118 (2-3') | Soil | 5/20/10 | Method 3540C | **1.84** | 1 | Yes | LCSD RPD is below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, theLCSD spike compounds are within overall method allowances. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007700-17 | SB-118(3-4') | Soil | 5/20/10 | Method 3540C | **3.78** | 1 | Yes | LCSD RPD is below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, theLCSD spike compounds are within overall method allowances. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007700-18 | SB-118 (4-5') | Soil | 5/20/10 | Method 3540C | **4.18** | 1 | Yes | LCSD RPD is below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, theLCSD spike compounds are within overall method allowances. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007700-19 | SB-118 (5-6') | Soil | 5/20/10 | Method 3540C | **41.4** | 1 | Yes | LCSD RPD is below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, theLCSD spike compounds are within overall method allowances. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

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| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1007700-20 | SB-118 (6-7') | Soil | 5/20/10 | Method 3540C | 0.0373 | 1 | Yes | LCSD RPD is below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, theLCSD spike compounds are within overall method allowances. | None | None | None | None | None |
| L1007701-01 | SB-119 (0-1') | Soil | 5/20/10 | Method 3540C | **1.78** | 1 | Yes | LCSD surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, the LCSD spike compounds are within overall method allowances. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007701-02 | SB-119 (1-2') | Soil | 5/20/10 | Method 3540C | 0.773 | 1 | Yes | LCSD surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, the LCSD spike compounds are within overall method allowances. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007701-03 | SB-119 (2-3') | Soil | 5/20/10 | Method 3540C | 0.341 | 1 | Yes | LCSD surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, the LCSD spike compounds are within overall method allowances. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007701-04 | Sb-119 (2-3') DUP | Soil | 5/20/10 | Method 3540C | 0.338 | 1 | Yes | LCSD surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, the LCSD spike compounds are within overall method allowances. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007701-05 | SB-119 (3-4') | Soil | 5/20/10 | Method 3540C | 0.0703 | 1 | No | None | None | None | None | None | Elevated detection limits due to the dilutions required by the sample matrix. |
| L1007701-06 | Sb-120 (0-1') | Soil | 5/20/10 | Method 3540C | **19.5** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007701-07 | SB-120 (1-2') | Soil | 5/20/10 | Method 3540C | **4.16** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007701-08 | SB-120 (2-3') | Soil | 5/20/10 | Method 3540C | 0.37 | 1 | Yes | LCSD surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%); however, the LCSD spike compounds are within overall method allowances. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007701-09 | SB-120 (3-4') | Soil | 5/20/10 | Method 3540C | 0.371 | 1 | No | None | None | None | None | None | None |
| L1007701-10 | SB-108 (0-1') | Soil | 5/21/10 | Method 3540C | **1.88** | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclor 1248. | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007701-11 | SB-108 (0-1') DUP | Soil | 5/21/10 | Method 3540C | **1.96** | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclor 1248. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007701-12 | SB-109 (0-1') | Soil | 5/21/10 | Method 3540C | **3.92** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007701-13 | SB-109 (1-2') | Soil | 5/21/10 | Method 3540C | 0.184 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007701-14 | SB-109 (1-2') DUP | Soil | 5/21/10 | Method 3540C | 0.186 | 1 | No | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007701-15 | SB-110 (0-1') | Soil | 5/21/10 | Method 3540C | **1.83** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

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| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1007701-16 | SB-110 (1-2') | Soil | 5/21/10 | Method 3540C | 0.0356 | 1 | Yes | MSD surrogate recoveries are above the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (152%/161%) and Decachlorobiphenyl (156%).; however, the MSD spike compounds are within overall acceptance criteria. | None | None | None | None | None |
| L1007702-01 | SB-111 (0-1') | Soil | 5/21/10 | Method 3540C | **93.4** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | | | | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-02 | SB-111 (1-2') | Soil | 5/21/10 | Method 3540C | **6.98** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-03 | SB-111 (2-3') | Soil | 5/21/10 | Method 3540C | **35.8** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-04 | SB-111 (3-4') | Soil | 5/21/10 | Method 3540C | 0.163 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-05 | SB-111 (4-5') | Soil | 5/21/10 | Method 3540C | **3.4** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-06 | SB-111 (5-6') | Soil | 5/21/10 | Method 3540C | 0.373 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-07 | SB-111 (6-7') | Soil | 5/21/10 | Method 3540C | 0.0364 | 1 | Yes | None | | None | None | None | None |
| L1007702-08 | SB-112 (0-1') | Soil | 5/21/10 | Method 3540C | **7.72** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-09 | SB-112 (1-2') | Soil | 5/21/10 | Method 3540C | 0.19 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-10 | SB-112 (2-3') | Soil | 5/21/10 | Method 3540C | 0.0382 | 1 | Yes | None | None | None | None | None | None |
| L1007702-11 | SB-113 (0-1') | Soil | 5/21/10 | Method 3540C | **19.3** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-12 | SB-113 (1-2') | Soil | 5/21/10 | Method 3540C | **1.88** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-13 | SB-113 (2-3') | Soil | 5/21/10 | Method 3540C | 0.0413 | 1 | Yes | None | | None | None | None | None |
| L1007702-14 | VS-30 (6-7') | Soil | 5/21/10 | Method 3540C | 0.188 | 1 | Yes | None | The MS/MSD was not analyzed due to the dilution required by the elevated concentration of target compounds present in the sample to be utilized for the MS/MSD would have caused the spike cpompound to be diluted below the range of calibration. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-15 | VS-36 (5-6') | Soil | 5/21/10 | Method 3540C | **7.08** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. The MS/MSD recoveries for Aroclor 1016 (241%/168%) are above the method acceptance criteria due to interference with Aroclor 1248 present in the sample. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-16 | VS-36 (6-7') | Soil | 5/21/10 | Method 3540C | 0.186 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-17 | VS-37 (6-7') | Soil | 5/21/10 | Method 3540C | **7.06** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-18 | VS-38 (6-7') | Soil | 5/21/10 | Method 3540C | 0.384 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-19 | VS-39 (6-7') | Soil | 5/21/10 | Method 3540C | **7.59** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-20 | VS-40 (6-7') | Soil | 5/21/10 | Method 3540C | 0.381 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-21 | VS-40 (6-7') DUP | Soil | 5/21/10 | Method 3540C | **3.86** | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclor 1248. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1007702-22 | VS-41 (6-7') | Soil | 5/21/10 | Method 3540C | 0.75 | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclor 1248. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-23 | VS-42 (5-6') | Soil | 5/21/10 | Method 3540C | **3.57** | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclors 1248 and 1254. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-24 | VS-42 (5-6') DUP | Soil | 5/21/10 | Method 3540C | **1.95** | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclors 1248 and 1254. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007702-25 | VS-42 (6-7') | Soil | 5/21/10 | Method 3540C | 0.78 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007703-01 | SB-54A (6-9") | Soil | 5/18/10 | Method 3540C | **4** | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007703-02 | Sb-54A (9-12") | Soil | 5/18/10 | Method 3540C | **3.9** | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | None |
| L1007703-06 | SB-49A (6-9") | Soil | 5/18/10 | Method 3540C | **3.61** | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007703-07 | SB-49A (9-12") | Soil | 5/18/10 | Method 3540C | 0.184 | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007703-08 | SB-52A (6-9") | Soil | 5/18/10 | Method 3540C | **1.82** | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007703-09 | SB-52A (9-12") | Soil | 5/18/10 | Method 3540C | **1.86** | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007703-10 | SB-60A (6-9") | Soil | 5/18/10 | Method 3540C | **7.27** | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007703-11 | SB-60A (9-12") | Soil | 5/18/10 | Method 3540C | **7.15** | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007703-12 | SB-84 (2-3') | Soil | 5/19/10 | Method 3540C | 0.365 | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1007703-13 | SB-84 (3-4') | Soil | 5/19/10 | Method 3540C | 0.771 | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007703-14 | SB-84 (4-5') | Soil | 5/19/10 | Method 3540C | 0.0361 | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | None | None | None | None | None |
| L1007703-16 | SB-85 (2-3') | Soil | 5/19/10 | Method 3540C | 0.184 | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007703-17 | SB-85 (3-4') | Soil | 5/19/10 | Method 3540C | 0.0402 | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | None | None | None | None | None |
| L1007703-20 | SB-86 (2-3') | Soil | 5/19/10 | Method 3540C | 0.0348 | 1 | No | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | None | None | None | None | None |
| L1007703-24 | SB-87 (2-3') | Soil | 5/19/10 | Method 3540C | 0.0377 | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | None | None | None | None | None |
| L1007703-25 | SB-87 (3-4') | Soil | 5/19/10 | Method 3540C | 0.036 | 1 | No | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | None | None | None | None | None |
| L1007703-28 | SB-88 (2-3') | Soil | 5/19/10 | Method 3540C | 0.036 | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | None | None | None | None | None |
| L1007703-29 | SB-88 (3-4') | Soil | 5/19/10 | Method 3540C | 0.0437 | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | None | None | None | None | None |
| L1007703-32 | SB-89 (2-3') | Soil | 5/19/10 | Method 3540C | **4.48** | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007703-33 | SB-89 (3-4') | Soil | 5/19/10 | Method 3540C | 0.0419 | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. | None | None | None | None | None |
| L1007703-49 | SB-93 (2-3') | Soil | 5/19/10 | Method 3540C | 0.184 | 1 | No | None | None | | | | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007703-62 | SB-96 (1-2') | Soil | 5/19/10 | Method 3540C | 0.718 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

**Table 3**
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**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1007703-63 | SB-96 (2-3') | Soil | 5/19/10 | Method 3540C | 0.0381 | 1 | No | None | None | None | None | None | None |
| L1007703-64 | SB-96 (3-4') | Soil | 5/19/10 | Method 3540C | 0.0362 | 1 | No | None | None | None | None | None | None |
| L1007703-72 | SB-98 (1-2') | Soil | 5/19/10 | Method 3540C | 0.0372 | 1 | Yes | None | None | None | None | None | None |
| L1007703-73 | SB-98 (2-3') | Soil | 5/19/10 | Method 3540C | 0.0388 | 1 | No | None | None | None | None | None | None |
| L1007703-77 | SB-99 (1-2') | Soil | 5/19/10 | Method 3540C | **1.97** | 1 | No | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007703-78 | SB-99 (2-3') | Soil | 5/19/10 | Method 3540C | 0.373 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007703-95 | SB-131 (3-4') | Soil | 5/19/10 | Method 3540C | 0.0359 | 1 | No | None | None | None | None | None | None |
| L1007704-01 | SB-131 (4-5') | Soil | 5/19/10 | Method 3540C | 0.13 | 1 | No | None | None | None | None | None | None |
| L1007704-02 | SB-131 (5-6') | Soil | 5/19/10 | Method 3540C | NA | 1 | NA | None | None | None | None | None | None |
| L1007704-04 | SB-69 A (21-24") | Soil | 5/20/10 | Method 3540C | 0.0336 | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1016 (77%) and Aroclor 1260 (64%); however, the individual LCS/LCSD recoveries are within method limits. | None | Samples were extracted beyond the 14-day holding time established by the method. | None | None | None |
| L1007704-08 | SB-103 (1-2') | Soil | 5/20/10 | Method 3540C | **7.73** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-09 | SB-103 (2-3') | Soil | 5/20/10 | Method 3540C | 0.189 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-13 | SB-104 (1-2') | Soil | 5/20/10 | Method 3540C | **3.58** | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1016 (77%) and Aroclor 1260 (64%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | Samples were extracted beyond the 14-day holding time established by the method. | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-14 | SB-104 (2-3') | Soil | 5/20/10 | Method 3540C | 0.387 | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1016 (77%) and Aroclor 1260 (64%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | Samples were extracted beyond the 14-day holding time established by the method. | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-24 | SB-107 (5-6') | Soil | 5/20/10 | Method 3540C | **38.5** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-28 | SB-116 (5-6') | Soil | 5/20/10 | Method 3540C | 0.0388 | 1 | Yes | None | None | None | None | None | None |
| L1007704-29 | SB-117 (7-8') | Soil | 5/20/10 | Method 3540C | 0.0376 | 1 | Yes | None | None | None | None | None | None |
| L1007704-33 | SB-108 (1-2') | Soil | 5/21/10 | Method 3540C | **1.96** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-34 | SB-108 (2-3') | Soil | 5/21/10 | Method 3540C | 0.355 | 1 | Yes | LCS/LCSD RPD were above the acceptance criteria for Aroclor 1016 (77%) and Aroclor 1260 (64%); however, the individual LCS/LCSD recoveries are within method limits. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | Samples were extracted beyond the 14-day holding time established by the method. | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-35 | SB-108 (3-4') | Soil | 5/21/10 | Method 3540C | 0.684 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-36 | SB-108 (4-5') | Soil | 5/21/10 | Method 3540C | **1.78** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-37 | SB-108 (5-6') | Soil | 5/21/10 | Method 3540C | **18.8** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

**Table 3**
**Data Usability Assessment**
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| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1007704-43 | SB-132 (0-1') | Soil | 5/21/10 | Method 3540C | **2.58** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-44 | SB-132 (1-2') | Soil | 5/21/10 | Method 3540C | 0.807 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-45 | SB-132 (2-3') | Soil | 5/21/10 | Method 3540C | 0.207 | 1 | Yes | None | | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-49 | SB-133 (0-1') | Soil | 5/21/10 | Method 3540C | **1.17** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-50 | SB-133 (1-2') | Soil | 5/21/10 | Method 3540C | 0.196 | 1 | Yes | None | | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-61 | VS-37 (7-8') | Soil | 5/21/10 | Method 3540C | **7.62** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-62 | VS-37 (8-9') | Soil | 5/21/10 | Method 3540C | **38.5** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples.The MS/MSD was not analyzed due to the dilution required by the elevated concentration of target compounds present in the sample to be utilized for the MS/MSD would have caused the spike cpompound to be diluted below the range of calibration. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-63 | VS-37 (9-10') | Soil | 5/21/10 | Method 3540C | 0.794 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-68 | VS-39 (7-8') | Soil | 5/21/10 | Method 3540C | 0.386 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-69 | VS-39 (8-9') | Soil | 5/21/10 | Method 3540C | 0.0356 | 1 | Yes | None | None | None | None | None | |
| L1007704-70 | VS-39 (9-10') | Soil | 5/21/10 | Method 3540C | 0.191 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-71 | VS-39 (9-10') DUP | Soil | 5/21/10 | Method 3540C | 0.193 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1007704-72 | VS-40 (7-8') | Soil | 5/21/10 | Method 3540C | 0.0384 | 1 | No | None | None | None | None | None | None |
| L1007704-73 | VS-40 (8-9') | Soil | 5/21/10 | Method 3540C | 0.0374 | 1 | No | None | None | None | None | None | None |
| L1007704-74 | VS-40 (9-10') | Soil | 5/21/10 | Method 3540C | 0.038 | 1 | Yes | None | None | None | None | None | None |
| L1007704-79 | VS-42 (7-8') | Soil | 5/21/10 | Method 3540C | 0.0375 | 1 | Yes | None | None | None | None | None | None |
| L1007704-80 | VS-42 (8-9') | Soil | 5/21/10 | Method 3540C | 0.0377 | 1 | No | None | None | None | None | None | None |
| L1007704-81 | VS-42 (9-10') | Soil | 5/21/10 | Method 3540C | 0.0393 | 1 | No | None | None | None | None | None | None |
| L1108231-01 | SB-136 (0-1') | Soil | 6/9/11 | Method 3540C | 0.0374 | 1 | No | None | None | None | None | None | None |
| L1108231-02 | SB-136 (1-2') | Soil | 6/9/11 | Method 3540C | 0.0381 | 1 | No | None | None | None | None | None | None |
| L1108231-03 | SB-136 (2-3') | Soil | 6/9/11 | Method 3540C | 0.0388 | 1 | No | None | None | None | None | None | None |
| L1108231-05 | SB-135 (0-1') | Soil | 6/9/11 | Method 3540C | 0.074 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1108231-06 | SB-135 (1-2') | Soil | 6/9/11 | Method 3540C | 0.0362 | 1 | No | None | None | None | None | None | None |
| L1108231-07 | SB-135 (2-3') | Soil | 6/9/11 | Method 3540C | 0.0382 | 1 | No | None | None | None | None | None | None |
| L1108231-09 | SB-134 (0-1') | Soil | 6/9/11 | Method 3540C | 0.112 | 1 | No | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1108231-10 | SB-134 (1-2') | Soil | 6/9/11 | Method 3540C | 0.0392 | 1 | No | None | None | None | None | None | None |
| L1108231-11 | SB-134 (2-3') | Soil | 6/9/11 | Method 3540C | 0.0368 | 1 | No | None | None | None | None | None | None |
| L1108231-13 | SB-158 (0-1') | Soil | 6/9/11 | Method 3540C | 0.361 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108231-14 | SB-158 (1-2') | Soil | 6/9/11 | Method 3540C | 0.0383 | 1 | Yes | None | None | None | None | None | None |
| L1108231-15 | SB-158 (2-3') | Soil | 6/9/11 | Method 3540C | 0.0404 | 1 | No | None | None | None | None | None | None |
| L1108231-17 | SB-162 (0-1') | Soil | 6/9/11 | Method 3540C | 0.0768 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |

**Table 3**
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**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1108231-18 | SB-162 (1-2') | Soil | 6/9/11 | Method 3540C | 0.0384 | 1 | Yes | None | None | None | None | None | None |
| L1108231-19 | SB-162 (2-3') | Soil | 6/9/11 | Method 3540C | 0.0362 | 1 | No | None | None | None | None | None | None |
| L1108232-01 | SB-157 (0-1') | Soil | 6/9/11 | Method 3540C | **1.88** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108232-02 | SB-157 (1-2') | Soil | 6/9/11 | Method 3540C | **1.9** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108232-03 | SB-157 (2-3') | Soil | 6/9/11 | Method 3540C | **1.89** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108232-04 | SB-157 (3-4') | Soil | 6/9/11 | Method 3540C | 0.0354 | 1 | No | None | None | None | None | None | None |
| L1108232-15 | SB-165 (1-2) | Soil | 6/9/11 | Method 3540C | 0.182 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108232-16 | SB-165 (2-3) | Soil | 6/9/11 | Method 3540C | 0.0379 | 1 | Yes | None | None | None | None | None | None |
| L1108232-17 | SB-165 (3-4) | Soil | 6/9/11 | Method 3540C | NA | 1 | NA | None | None | None | None | None | None |
| L1108233-03 | SB-157 (3-4') DUP | Soil | 6/9/11 | Method 3540C | 0.0356 | 1 | No | None | None | None | None | None | None |
| L1108233-04 | SB-161 (0-1') | Soil | 6/9/11 | Method 3540C | 0.738 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108233-05 | SB-161 (1-2') | Soil | 6/9/11 | Method 3540C | **1.8** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108233-06 | SB-161 (2-3') | Soil | 6/9/11 | Method 3540C | 0.188 | 1 | Yes | None | MS/MSD recoveries for Aroclor 1016 (240%/198%) are above the method acceptance criteria due to interference with Aroclor 1248 present in the sample. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108233-10 | SB-154 (5-6') | Soil | 6/9/11 | Method 3540C | **3.58** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples.he MS/MSD was not analyzed due to the dilution required by the elevated concentration of target compounds present in the sample to be utilized for the MS/MSD would have caused the spike cpompound to be diluted below the range of calibration. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108233-11 | SB-154 (6-7') | Soil | 6/9/11 | Method 3540C | **3.6** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108233-12 | SB-154 (7-8') | Soil | 6/9/11 | Method 3540C | **4.16** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108234-01 | SB-154 (7-8) DUP | Soil | 6/9/11 | Method 3540C | **4.08** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108234-02 | SB-156 (0-1') | Soil | 6/9/11 | Method 3540C | 0.365 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108234-03 | SB-156 (1-2') | Soil | 6/9/11 | Method 3540C | **1.85** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108234-04 | SB-156 (2-3') | Soil | 6/9/11 | Method 3540C | **1.8** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108234-05 | SB-156 (3-4') | Soil | 6/9/11 | Method 3540C | 0.693 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108234-06 | SB-156 (4-5') | Soil | 6/9/11 | Method 3540C | 0.352 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108234-07 | SB-156 (5-6') | Soil | 6/9/11 | Method 3540C | 0.356 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108234-08 | SB-156 (6-7') | Soil | 6/9/11 | Method 3540C | 0.038 | 1 | No | None | None | None | None | None | None |
| L1108234-09 | SB-156 (7-8') | Soil | 6/9/11 | Method 3540C | 0.0372 | 1 | Yes | None | None | None | None | None | None |
| L1108234-14 | SB-160 (0-1') | Soil | 6/9/11 | Method 3540C | 0.181 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1108234-15 | SB-160 (1-2') | Soil | 6/9/11 | Method 3540C | **1.86** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108234-16 | SB-160 (2-3') | Soil | 6/9/11 | Method 3540C | **3.78** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108234-17 | SB-160 (3-4') | Soil | 6/9/11 | Method 3540C | 0.709 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108234-18 | SB-160 (4-5') | Soil | 6/9/11 | Method 3540C | 0.0344 | 1 | No | None | None | None | None | None | None |
| L1108234-19 | SB-160 (5-6') | Soil | 6/9/11 | Method 3540C | 0.374 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108234-20 | SB-160 (6-7') | Soil | 6/9/11 | Method 3540C | 0.0419 | 1 | No | None | None | None | None | None | None |
| L1108235-01 | SB-160 (7-8) | Soil | 6/9/11 | Method 3540C | 0.0382 | 1 | Yes | None | None | None | None | None | None |
| L1108235-02 | SB-160 (8-9) | Soil | 6/9/11 | Method 3540C | 0.0349 | 1 | No | None | None | None | None | None | None |
| L1108235-06 | SB-160 (4-5) DUP | Soil | 6/9/11 | Method 3540C | 0.0349 | 1 | No | None | None | None | None | None | None |
| L1108235-07 | SB-164 (0-1') | Soil | 6/9/11 | Method 3540C | **3.85** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108235-08 | SB-164 (1-2') | Soil | 6/9/11 | Method 3540C | **3.72** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108235-09 | SB-164 (2-3') | Soil | 6/9/11 | Method 3540C | 0.18 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108235-10 | SB-164 (3-4') | Soil | 6/9/11 | Method 3540C | 0.0358 | 1 | No | None | None | None | None | None | |
| L1108236-01 | SB-139 (0-1) | Soil | 6/8/11 | Method 3540C | 0.173 | 1 | | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1108236-02 | SB-139 (1-2) | Soil | 6/8/11 | Method 3540C | 0.189 | 1 | No | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1108236-03 | SB-139 (2-3) | Soil | 6/8/11 | Method 3540C | 0.0356 | 1 | No | None | None | None | None | None | None |
| L1108236-04 | SB-139 (3-4) | Soil | 6/8/11 | Method 3540C | 0.0354 | 1 | Yes | None | None | None | None | None | None |
| L1108236-05 | SB-139 (1-2) DUP | Soil | 6/8/11 | Method 3540C | 0.176 | 1 | No | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1108236-06 | SB-140 (0-1) | Soil | 6/8/11 | Method 3540C | **1.75** | 1 | Yes | | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the target compounds present in the samples. |
| L1108236-07 | SB-140 (1-2) | Soil | 6/8/11 | Method 3540C | 0.173 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1108236-08 | SB-140 (2-3) | Soil | 6/8/11 | Method 3540C | 0.0346 | 1 | No | None | None | None | None | None | None |
| L1108236-09 | SB-140 (3-4) | Soil | 6/8/11 | Method 3540C | 0.035 | 1 | No | None | None | None | None | None | None |
| L1108236-10 | SB-141 (0-1) | Soil | 6/8/11 | Method 3540C | 0.18 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the target compounds present in the samples. |
| L1108236-11 | SB-141 (1-2) | Soil | 6/8/11 | Method 3540C | 0.0377 | 1 | Yes | None | None | None | None | None | None |
| L1108236-12 | SB-141 (2-3) | Soil | 6/8/11 | Method 3540C | 0.0349 | 1 | No | None | None | None | None | None | None |
| L1108236-13 | SB-141 (3-4) | Soil | 6/8/11 | Method 3540C | 0.0412 | 1 | No | None | None | None | None | None | None |
| L1108236-14 | SB-142 (0-1) | Soil | 6/8/11 | Method 3540C | 0.677 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1108236-15 | SB-142 (1-2) | Soil | 6/8/11 | Method 3540C | **3.46** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the target compounds present in the samples. |
| L1108236-16 | SB-142 (2-3) | Soil | 6/8/11 | Method 3540C | 0.0356 | 1 | Yes | None | None | None | None | None | |
| L1108236-17 | SB-142 (3-4) | Soil | 6/8/11 | Method 3540C | 0.3 | 1 | No | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1108236-18 | SB-143 (0-1) | Soil | 6/8/11 | Method 3540C | **3.58** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the target compounds present in the samples. |
| L1108236-19 | SB-143 (1-2) | Soil | 6/8/11 | Method 3540C | **88.1** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the target compounds present in the samples. |
| L1108236-20 | SB-143 (2-3) | Soil | 6/8/11 | Method 3540C | 0.176 | 1 | No | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1108237-01 | SB-137 (0-1) | Soil | 6/8/11 | Method 3540C | 0.0352 | 1 | No | None | None | None | None | None | None |
| L1108237-02 | SB-137 (1-2) | Soil | 6/8/11 | Method 3540C | 0.0349 | 1 | No | None | None | None | None | None | None |
| L1108237-03 | SB-137 (2-3) | Soil | 6/8/11 | Method 3540C | 0.0344 | 1 | Yes | None | None | None | None | None | None |
| L1108237-04 | SB-137 (3-4) | Soil | 6/8/11 | Method 3540C | 0.0384 | 1 | Yes | None | The surrogate recovery is outside the individual acceptance criteria for Decachlorobiphenyl (162%), but within the overall method allowances. | None | None | None | None |
| L1108237-05 | SB-138 (0-1) | Soil | 6/8/11 | Method 3540C | 0.0392 | 1 | Yes | None | MS/MSD was not analyzed due to the dilution required by the elevated concentration of target compounds present in the sample to be utilized for the MS/MSD would have caused the spike cpompound to be diluted below the range of calibration. | None | None | None | None |
| L1108237-06 | SB-138 (1-2) | Soil | 6/8/11 | Method 3540C | 0.0348 | 1 | No | None | None | None | None | None | None |
| L1108237-07 | SB-138 (2-3) | Soil | 6/8/11 | Method 3540C | **1.9** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108237-08 | SB-138 (3-4) | Soil | 6/8/11 | Method 3540C | 0.0369 | 1 | Yes | None | None | None | None | None | None |
| L1108237-09 | SB-146 (1-2) | Soil | 6/8/11 | Method 3540C | 0.0358 | 1 | Yes | None | None | None | None | None | None |
| L1108237-10 | SB-146 (2-3) | Soil | 6/8/11 | Method 3540C | 0.105 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1108237-12 | SB-147 (0-1) | Soil | 6/8/11 | Method 3540C | 0.0343 | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclors 1248 and 1254. | None | None | None | None | None |
| L1108237-13 | SB-147 (1-2) | Soil | 6/8/11 | Method 3540C | 0.0339 | 1 | No | None | None | None | None | None | None |
| L1108237-14 | SB-147 (2-3) | Soil | 6/8/11 | Method 3540C | 0.0351 | 1 | No | None | None | None | None | None | None |
| L1108237-16 | SB-147 (0-1) DUP | Soil | 6/8/11 | Method 3540C | 0.0348 | 1 | No | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclors 1248 and 1254. | None | | | | None |
| L1108238-01 | SB-143-(3-4) | Soil | 6/8/11 | Method 3540C | NA | 1 | | None | None | None | None | None | None |
| L1108238-02 | SB-144 (0-1) | Soil | 6/8/11 | Method 3540C | 0.0347 | 1 | Yes | None | None | None | None | None | None |
| L1108238-03 | SB-144 (1-2) | Soil | 6/8/11 | Method 3540C | 0.036 | 1 | Yes | None | None | None | None | None | None |
| L1108238-04 | SB-144 (2-3) | Soil | 6/8/11 | Method 3540C | **1.45** | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the target compounds present in the samples. |
| L1108238-06 | SB-145 (0-1) | Soil | 6/8/11 | Method 3540C | 0.682 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the target compounds present in the samples. |
| L1108238-07 | SB-145 (1-2) | Soil | 6/8/11 | Method 3540C | 0.135 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1108238-08 | SB-145 (2-3) | Soil | 6/8/11 | Method 3540C | **3.36** | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108238-10 | SB-146 (0-1) | Soil | 6/8/11 | Method 3540C | 0.0344 | 1 | Yes | None | None | None | None | None | None |
| L1108238-11 | SB-148 (5-6') | Soil | 6/8/11 | Method 3540C | 0.04 | 1 | Yes | None | None | None | None | None | None |
| L1108238-12 | SB-148 (6-7') | Soil | 6/8/11 | Method 3540C | 0.0395 | 1 | Yes | None | None | None | None | None | None |
| L1108238-13 | SB-148 (7-8) | Soil | 6/8/11 | Method 3540C | 0.0386 | 1 | No | None | None | None | None | None | None |
| L1108238-18 | SB-149 (0-1) | Soil | 6/8/11 | Method 3540C | 0.0357 | 1 | No | None | None | None | None | None | None |
| L1108238-19 | SB-149 (1-2) | Soil | 6/8/11 | Method 3540C | 0.0366 | 1 | No | None | None | None | None | None | None |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1108238-20 | SB-149 (2-3) | Soil | 6/8/11 | Method 3540C | 0.0364 | 1 | Yes | None | The surrogate recoveries are above the acceptance criteria for Decachlorobiphenyl (349%/541%), this is due to Decachlorobiphenyl being part of Aroclor 1268 and Aroclor 1268 is present in the sample. | | None | None | None |
| L1108238-22 | SB-150 (0-1) | Soil | 6/8/11 | Method 3540C | 0.0356 | 1 | Yes | None | None | None | None | None | None |
| L1108238-23 | SB-150 (1-2) | Soil | 6/8/11 | Method 3540C | 0.035 | 1 | Yes | None | None | None | None | None | None |
| L1108239-01 | SB-150 (2-3) | Soil | 6/8/11 | Method 3540C | 0.034 | 1 | No | | None | None | None | None | None |
| L1108239-03 | SB-151 (0-1) | Soil | 6/8/11 | Method 3540C | 0.756 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the target compounds present in the samples. |
| L1108239-04 | SB-151 (1-2) | Soil | 6/8/11 | Method 3540C | 0.18 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108239-05 | SB-151 (2-3) | Soil | 6/8/11 | Method 3540C | 0.036 | 1 | Yes | None | None | None | None | None | None |
| L1108239-07 | SB-151 (1-2) | Soil | 6/8/11 | Method 3540C | 0.0706 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1108239-08 | SB-152 (0-1) | Soil | 6/8/11 | Method 3540C | 0.377 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108239-09 | SB-152 (1-2) | Soil | 6/8/11 | Method 3540C | 0.0354 | 1 | No | None | None | None | None | None | None |
| L1108239-10 | SB-152 (2-3) | Soil | 6/8/11 | Method 3540C | 0.0347 | 1 | No | None | None | None | None | None | None |
| L1108239-12 | SB-153 (0-1) | Soil | 6/8/11 | Method 3540C | 0.143 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1108239-13 | SB-153 (1-2) | Soil | 6/8/11 | Method 3540C | 0.038 | 1 | Yes | None | None | None | None | None | None |
| L1108239-14 | SB-153 (2-3) | Soil | 6/8/11 | Method 3540C | 0.0346 | 1 | No | None | None | None | None | None | None |
| L1108239-16 | SB-155 (0-1) | Soil | 6/8/11 | Method 3540C | 0.39 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the target compounds present in the samples. |
| L1108239-17 | SB-155 (1-2) | Soil | 6/8/11 | Method 3540C | 0.0372 | 1 | Yes | None | None | None | None | None | None |
| L1108239-18 | SB-155 (2-3) | Soil | 6/8/11 | Method 3540C | 0.0344 | 1 | No | None | None | None | None | None | None |
| L1108239-20 | SB-159 (0-1) | Soil | 6/8/11 | Method 3540C | 0.0355 | 1 | Yes | None | None | None | None | None | None |
| L1108239-21 | SB-159 (1-2) | Soil | 6/8/11 | Method 3540C | 0.0356 | 1 | Yes | None | None | None | None | None | None |
| L1108239-22 | SB-159 (2-3) | Soil | 6/8/11 | Method 3540C | 0.0345 | 1 | No | None | None | None | None | None | None |
| L1108239-24 | SB-163 (0-1) | Soil | 6/8/11 | Method 3540C | 0.183 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1108239-25 | SB-163 (1-2) | Soil | 6/8/11 | Method 3540C | 0.0401 | 1 | Yes | None | None | None | None | None | None |
| L1108239-26 | SB-163 (2-3) | Soil | 6/8/11 | Method 3540C | 0.0354 | 1 | No | None | None | None | None | None | None |
| L1109066-01 | SB-143 (3-4) | Soil | 6/8/11 | Method 3540C | **1.06** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1109066-02 | SB-144 (3-4) | Soil | 6/8/11 | Method 3540C | 0.0372 | 1 | Yes | None | None | None | None | None | None |
| L1109066-03 | SB-145 (3-4) | Soil | 6/8/11 | Method 3540C | 0.0724 | 1 | Yes | None | The surrogate recoveries are above the acceptance criteria for Decachlorobiphenyl (265%/303%), the sample was re-extracted due to co-elution with obvious interferences. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1109066-04 | SB-146 (3-4) | Soil | 6/8/11 | Method 3540C | **1.81** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1109161-01 | SB-157 (10-11) | Soil | 6/9/11 | Method 3540C | 0.0398 | 1 | Yes | None | None | None | None | None | None |
| L1109161-02 | SB-157 (11-12) | Soil | 6/9/11 | Method 3540C | 0.0412 | 1 | Yes | None | None | None | None | None | None |
| L1109161-03 | SB-154 (8-9) | Soil | 6/9/11 | Method 3540C | 0.0396 | 1 | Yes | None | None | None | None | None | None |
| L1109161-04 | SB-154 (9-10) | Soil | 6/9/11 | Method 3540C | 0.0382 | 1 | Yes | None | None | None | None | None | None |
| L1109161-05 | SB-154 (10-11) | Soil | 6/9/11 | Method 3540C | 0.429 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

**Table 3**
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| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1109161-06 | SB-154 (11-12) | Soil | 6/9/11 | Method 3540C | 0.394 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1109161-07 | SB-156 (8-9) | Soil | 6/9/11 | Method 3540C | 0.0378 | 1 | Yes | None | None | None | None | None | None |
| L1109161-08 | SB-156 (9-10) | Soil | 6/9/11 | Method 3540C | 0.0381 | 1 | Yes | None | None | None | None | None | None |
| L1109161-09 | SB-156 (10-11) | Soil | 6/9/11 | Method 3540C | 0.0399 | 1 | No | None | None | None | None | None | None |
| L1109161-10 | SB-156 (11-12) | Soil | 6/9/11 | Method 3540C | 0.0406 | 1 | No | None | None | None | None | None | None |
| L1109161-11 | SB-157 (4-5) | Soil | 6/9/11 | Method 3540C | 0.0348 | 1 | No | None | None | None | None | None | None |
| L1109161-12 | SB-157 (5-6') | Soil | 6/9/11 | Method 3540C | 0.035 | 1 | No | None | None | None | None | None | None |
| L1109161-13 | SB-157 (6-7') | Soil | 6/9/11 | Method 3540C | 0.0362 | 1 | No | None | None | None | None | None | None |
| L1109161-14 | SB-157 (7-8) | Soil | 6/9/11 | Method 3540C | 0.0383 | 1 | Yes | None | None | None | None | None | None |
| L1109161-15 | SB-157 (8-9) | Soil | 6/9/11 | Method 3540C | 0.0378 | 1 | Yes | None | None | None | None | None | None |
| L1109161-16 | SB-157 (9-10) | Soil | 6/9/11 | Method 3540C | 0.0374 | 1 | Yes | None | None | None | None | None | None |
| L1109161-17 | SB-161 (3-4) | Soil | 6/9/11 | Method 3540C | 0.0345 | 1 | No | None | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (12%/19%) and Decachlorobiphenyl (12%/16%), however the criteria were achieved upon re-extraction outside of the holding time. | None | None | None | None |
| L1109161-18 | SB-167 (0-1) | Soil | 6/9/11 | Method 3540C | 0.0369 | 1 | Yes | None | None | None | None | None | None |
| L1109161-19 | SB-167 (1-2) | Soil | 6/9/11 | Method 3540C | 0.0363 | 1 | Yes | None | None | None | None | None | None |
| L1109161-20 | SB-166 (0-1) | Soil | 6/9/11 | Method 3540C | 0.0363 | 1 | Yes | None | None | None | None | None | None |
| L1109161-21 | SB-166 (1-2) | Soil | 6/9/11 | Method 3540C | 0.374 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1109161-22 | SB-166 (2-3) | Soil | 6/9/11 | Method 3540C | 0.0348 | 1 | Yes | None | The surrogate recoveries were below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%) and Decachlorobiphenyl (7%/6%), however re-extraction achieved similar results of 2,4,5,6-Tetrachloro-m-xylene (21%/22%). | None | None | None | None |
| L1109549-01 | CS-1 | Soil | 6/27/11 | Method 3540C | 0.0586 | 1 | Yes | Method blank has a concentration above the reporting limit for Aroclor 1254, however the criteria was achieved upon re-extraction outside of the holding tim. The results of the original analysis are reported and are qualified with a "B" for any sample concentrations that are less than 5x the blank concentration for this analyte. | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (17%/18%) and Decachlorobiphenyl (19%/21%), however the criteria were achieved upon re-extraction outside of the holding time. | | None | None | None |
| L1109549-01-RE | CS-1 | Soil | 6/27/11 | Method 3540C | 0.274 | | No | None | None | | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1109549-02 | CS-2 | Soil | 6/27/11 | Method 3540C | **1.43** | 1 | No | Method blank has a concentration above the reporting limit for Aroclor 1254, however the criteria was achieved upon re-extraction outside of the holding tim. The results of the original analysis are reported and are qualified with a "B" for any sample concentrations that are less than 5x the blank concentration for this analyte. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1109549-02-RE | CS-2 | Soil | 6/27/11 | Method 3540C | 0.0993 | 1 | No | None | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (23%/19%) and Decachlorobiphenyl (10%/11%). | | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1109566-01 | SB-165 (0-1) | Soil | 6/9/11 | Method 3540C | 0.184 | 1 | Yes | None | None | Samples were extracted beyond the 14-day holding time established by the method. | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1111931-01 | SB-194 (0-1) | Soil | 8/4/11 | Method 3540C | 0.0319 | 1 | Yes | LCSD recovery was below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The LCS/LCSD RPDs are above the criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%) | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%). | None | None | None | None |
| L1111931-02 | SB-194 (1-2) | Soil | 8/4/11 | Method 3540C | 0.0344 | 1 | No | LCSD recovery was below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The LCS/LCSD RPDs are above the criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%) | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%). | None | None | None | None |
| L1111931-03 | SB-194 (2-3) | Soil | 8/4/11 | Method 3540C | 0.0349 | 1 | No | LCSD recovery was below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The LCS/LCSD RPDs are above the criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%) | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%). | None | None | None | None |
| L1111931-05 | SB-189 (0-1) | Soil | 8/4/11 | Method 3540C | 0.173 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1111931-06 | SB-189 (1-2) | Soil | 8/4/11 | Method 3540C | 0.0305 | 1 | No | LCSD recovery was below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The LCS/LCSD RPDs are above the criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%) | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%). | None | None | None | None |
| L1111931-07 | SB-189 (2-3) | Soil | 8/4/11 | Method 3540C | 0.0321 | 1 | No | LCSD recovery was below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The LCS/LCSD RPDs are above the criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%) | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%). | None | None | None | None |
| L1111931-09 | SB-186 (0-1) | Soil | 8/4/11 | Method 3540C | 0.034 | 1 | Yes | LCSD recovery was below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The LCS/LCSD RPDs are above the criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%) | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%). | None | None | None | None |
| L1111931-10 | SB-186 (1-2) | Soil | 8/4/11 | Method 3540C | 0.034 | 1 | No | LCSD recovery was below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The LCS/LCSD RPDs are above the criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%) | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%). | None | None | None | None |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1111931-11 | SB-186 (2-3) | Soil | 8/4/11 | Method 3540C | 0.0336 | 1 | No | LCSD recovery was below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The LCS/LCSD RPDs are above the criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%) | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%). | None | None | None | None |
| L1111931-13 | SB-183 (0-1) | Soil | 8/4/11 | Method 3540C | 0.0323 | 1 | Yes | LCSD recovery was below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The LCS/LCSD RPDs are above the criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%) | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%). | None | None | None | None |
| L1111931-14 | SB-183 (1-2) | Soil | 8/4/11 | Method 3540C | 0.0327 | 1 | No | LCSD recovery was below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The LCS/LCSD RPDs are above the criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%) | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%). | None | None | None | None |
| L1111931-15 | SB-183 (2-3) | Soil | 8/4/11 | Method 3540C | 0.0323 | 1 | No | LCSD recovery was below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The LCS/LCSD RPDs are above the criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%) | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%). | None | None | None | None |
| L1111931-17 | SB-182( 0-1) | Soil | 8/4/11 | Method 3540C | 0.0336 | 1 | No | LCSD recovery was below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The LCS/LCSD RPDs are above the criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%) | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%). | None | None | None | None |
| L1111931-18 | SB-182 (1-2) | Soil | 8/4/11 | Method 3540C | 0.032 | 1 | No | LCSD recovery was below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The LCS/LCSD RPDs are above the criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%) | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%). | None | None | None | None |
| L1111931-19 | SB-182 (2-3) | Soil | 8/4/11 | Method 3540C | 0.0314 | 1 | No | LCSD recovery was below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The LCS/LCSD RPDs are above the criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%) | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%). | None | None | None | None |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1111932-01 | SB-181( 0-1) | Soil | 8/4/11 | Method 3540C | 0.0324 | 1 | No | LCSD recovery was below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The LCS/LCSD RPDs are above the criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%) | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%). | None | None | None | None |
| L1111932-02 | SB-181 (1-2) | Soil | 8/4/11 | Method 3540C | 0.0343 | 1 | No | LCSD recovery was below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The LCS/LCSD RPDs are above the criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%) | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%). | None | None | None | None |
| L1111932-03 | SB-181 (2-3) | Soil | 8/4/11 | Method 3540C | 0.0323 | 1 | No | LCSD recovery was below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The LCS/LCSD RPDs are above the criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%) | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%). | None | None | None | None |
| L1111932-05 | SB-180( 0-1) | Soil | 8/4/11 | Method 3540C | 0.0308 | 1 | No | LCSD recovery was below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The LCS/LCSD RPDs are above the criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%) | The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%). | None | None | None | None |
| L1111932-06 | SB-180 (1-2) | Soil | 8/4/11 | Method 3540C | 0.035 | 1 | No | None | None | None | None | None | None |
| L1111932-07 | SB-180 (2-3) | Soil | 8/4/11 | Method 3540C | 0.0345 | 1 | No | None | None | None | None | None | None |
| L1111932-09 | SB-179( 0-1) | Soil | 8/4/11 | Method 3540C | 0.0332 | 1 | No | None | None | None | None | None | None |
| L1111932-10 | SB-179 (1-2) | Soil | 8/4/11 | Method 3540C | 0.0306 | 1 | No | None | None | None | None | None | None |
| L1111932-11 | SB-179 (2-3) | Soil | 8/4/11 | Method 3540C | 0.0323 | 1 | No | None | None | None | None | None | None |
| L1111932-12 | SB-179 (3-4) | Soil | 8/4/11 | Method 3540C | 0.0335 | 1 | No | None | None | None | None | None | None |
| L1111932-13 | SB-178( 0-1) | Soil | 8/4/11 | Method 3540C | 0.0333 | 1 | No | None | None | None | None | None | None |
| L1111932-14 | SB-178 (1-2) | Soil | 8/4/11 | Method 3540C | 0.0333 | 1 | No | None | None | None | None | None | None |
| L1111932-15 | SB-178 (2-3) | Soil | 8/4/11 | Method 3540C | 0.0337 | 1 | No | None | None | None | None | None | None |
| L1111932-17 | SB-175( 0-1) | Soil | 8/4/11 | Method 3540C | 0.157 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111932-18 | SB-175 (1-2) | Soil | 8/4/11 | Method 3540C | 0.158 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111932-19 | SB-175 (2-3) | Soil | 8/4/11 | Method 3540C | **1.64** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111932-20 | SB-175 (3-4) | Soil | 8/4/11 | Method 3540C | 0.0337 | 1 | Yes | None | None | None | None | None | None |
| L1111933-05 | SB-176( 0-1) | Soil | 8/4/11 | Method 3540C | 0.0304 | 1 | Yes | None | None | None | None | None | None |
| L1111933-06 | SB-176 (1-2) | Soil | 8/4/11 | Method 3540C | 0.168 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1111933-07 | SB-176 (2-3) | Soil | 8/4/11 | Method 3540C | **1.63** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111933-08 | SB-176 (3-4) | Soil | 8/4/11 | Method 3540C | 0.319 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111933-13 | SB-177( 0-1) | Soil | 8/4/11 | Method 3540C | 0.0331 | 1 | Yes | None | None | None | None | None | None |
| L1111933-14 | SB-177 (1-2) | Soil | 8/4/11 | Method 3540C | 0.324 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111933-15 | SB-177 (2-3) | Soil | 8/4/11 | Method 3540C | 0.17 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111933-16 | SB-177 (3-4) | Soil | 8/4/11 | Method 3540C | 0.0354 | 1 | Yes | None | None | None | None | None | None |
| L1111934-01 | SB-143A (4-5) | Soil | 8/4/11 | Method 3540C | **1.24** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1111934-02 | SB-143A (5-6) | Soil | 8/4/11 | Method 3540C | 0.32 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | None |
| L1111934-05 | SB-146A (4-5) | Soil | 8/4/11 | Method 3540C | 0.051 | 1 | Yes | None | None | None | None | None | None |
| L1111934-06 | SB-146A (5-6) | Soil | 8/4/11 | Method 3540C | 0.039 | 1 | No | None | None | None | None | None | None |
| L1111934-09 | SB-174( 0-1) | Soil | 8/4/11 | Method 3540C | 0.131 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the sample. |
| L1111934-10 | SB-174 (1-2) | Soil | 8/4/11 | Method 3540C | 0.369 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111934-11 | SB-174 (2-3) | Soil | 8/4/11 | Method 3540C | 0.0334 | 1 | No | None | None | None | None | None | None |
| L1111934-12 | SB-174 (3-4) | Soil | 8/4/11 | Method 3540C | 0.0319 | 1 | Yes | None | None | None | None | None | None |
| L1111934-13 | SB-173( 0-1) | Soil | 8/4/11 | Method 3540C | 0.0343 | 1 | Yes | None | None | None | None | None | None |
| L1111934-14 | SB-173 (1-2) | Soil | 8/4/11 | Method 3540C | 0.68 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111934-15 | SB-173 (2-3) | Soil | 8/4/11 | Method 3540C | **3.18** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111934-16 | SB-173 (3-4) | Soil | 8/4/11 | Method 3540C | **3.3** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111934-19 | SB-172( 0-1) | Soil | 8/4/11 | Method 3540C | 0.161 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111934-20 | SB-172 (1-2) | Soil | 8/4/11 | Method 3540C | 0.679 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111935-01 | SB-172 (2-3) | Soil | 8/4/11 | Method 3540C | 0.354 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111935-05 | SB-171( 0-1) | Soil | 8/4/11 | Method 3540C | **1.68** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111935-06 | SB-171 (1-2) | Soil | 8/4/11 | Method 3540C | **3.71** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1111935-07 | SB-171 (2-3) | Soil | 8/4/11 | Method 3540C | **16.1** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1111935-08 | SB-171 (3-4) | Soil | 8/4/11 | Method 3540C | **24.5** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1111935-09 | SB-169( 0-1) | Soil | 8/5/11 | Method 3540C | 0.0337 | 1 | Yes | None | None | None | None | None | None |
| L1111935-10 | SB-169 (1-2) | Soil | 8/5/11 | Method 3540C | 0.0341 | 1 | No | None | None | None | None | None | None |
| L1111935-11 | SB-169 (2-3) | Soil | 8/5/11 | Method 3540C | 0.0342 | 1 | No | None | None | None | None | None | None |

**Table 3**
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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1111935-12 | SB-169 (3-4) | Soil | 8/5/11 | Method 3540C | 0.346 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111935-13 | SB-168( 0-1) | Soil | 8/5/11 | Method 3540C | 0.0336 | 1 | No | None | None | None | None | None | None |
| L1111935-14 | SB-168 (1-2) | Soil | 8/5/11 | Method 3540C | 0.0338 | 1 | No | None | None | None | None | None | None |
| L1111935-15 | SB-168 (2-3) | Soil | 8/5/11 | Method 3540C | 0.0343 | 1 | No | None | None | None | None | None | None |
| L1111935-16 | SB-168 (3-4) | Soil | 8/5/11 | Method 3540C | 0.0352 | 1 | Yes | None | None | None | None | None | None |
| L1111935-17 | SB-190( 0-1) | Soil | 8/5/11 | Method 3540C | 0.649 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111935-18 | SB-190 (1-2) | Soil | 8/5/11 | Method 3540C | **1.79** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111935-19 | SB-190 (2-3) | Soil | 8/5/11 | Method 3540C | 0.48 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111936-01 | SB-191( 0-1) | Soil | 8/5/11 | Method 3540C | 0.0331 | 1 | Yes | None | None | | | | None |
| L1111936-02 | SB-191 (1-2) | Soil | 8/5/11 | Method 3540C | 0.333 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111936-03 | SB-191 (2-3) | Soil | 8/5/11 | Method 3540C | 0.174 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111936-05 | SB-192( 0-1) | Soil | 8/5/11 | Method 3540C | 0.335 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111936-06 | SB-192 (1-2) | Soil | 8/5/11 | Method 3540C | 0.337 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111936-07 | SB-192 (2-3) | Soil | 8/5/11 | Method 3540C | 0.17 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111936-09 | SB-193( 0-1) | Soil | 8/5/11 | Method 3540C | 0.169 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111936-10 | SB-193 (1-2) | Soil | 8/5/11 | Method 3540C | 0.17 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111936-11 | SB-193 (2-3) | Soil | 8/5/11 | Method 3540C | 0.0356 | 1 | Yes | None | None | None | None | None | None |
| L1111936-13 | SB-187( 0-1) | Soil | 8/5/11 | Method 3540C | 0.0336 | 1 | Yes | None | None | None | None | None | None |
| L1111936-14 | SB-187 (1-2) | Soil | 8/5/11 | Method 3540C | 0.0334 | 1 | Yes | None | None | None | None | None | None |
| L1111936-15 | SB-187 (2-3) | Soil | 8/5/11 | Method 3540C | 0.034 | 1 | Yes | None | None | None | None | None | None |
| L1111936-17 | SB-188( 0-1) | Soil | 8/5/11 | Method 3540C | 0.0331 | 1 | Yes | None | None | None | None | None | None |
| L1111936-18 | SB-188 (1-2) | Soil | 8/5/11 | Method 3540C | 0.033 | 1 | Yes | None | None | None | None | None | None |
| L1111936-19 | SB-188 (2-3) | Soil | 8/5/11 | Method 3540C | 0.0346 | 1 | Yes | None | None | None | None | None | None |
| L1111936-21 | SB-184( 0-1) | Soil | 8/5/11 | Method 3540C | 0.165 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111936-22 | SB-184 (1-2) | Soil | 8/5/11 | Method 3540C | 0.0336 | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclor 1260. | None | None | None | None | None |
| L1111936-23 | SB-184 (2-3) | Soil | 8/5/11 | Method 3540C | 0.0349 | 1 | Yes | None | None | None | None | None | None |
| L1111936-25 | SB-185( 0-1) | Soil | 8/5/11 | Method 3540C | 0.678 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111936-26 | SB-185 (1-2) | Soil | 8/5/11 | Method 3540C | 0.034 | 1 | Yes | None | None | None | None | None | None |
| L1111936-27 | SB-185 (2-3) | Soil | 8/5/11 | Method 3540C | 0.0333 | 1 | Yes | None | None | None | None | None | None |
| L1111936-29 | SB-181 (0-1) DUP | Soil | 8/4/11 | Method 3540C | 0.0319 | 1 | No | None | None | None | None | None | None |

**Table 3**
**Data Usability Assessment**
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| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1111936-30 | SB-176 (2-3) DUP | Soil | 8/4/11 | Method 3540C | **1.34** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1111936-31 | SB-172 (1-2) DUP | Soil | 8/4/11 | Method 3540C | 0.572 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1111936-32 | SB-184 (1-2) DUP | Soil | 8/5/11 | Method 3540C | 0.034 | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclor 1260. | None | None | None | None | None |
| L1112519-01 | SB-143A (6-7) | Soil | 8/4/11 | Method 3540C | 0.034 | 1 | No | None | None | None | None | None | None |
| L1112519-02 | SB-143A (7-8) | Soil | 8/4/11 | Method 3540C | 0.0326 | 1 | No | None | None | None | None | None | None |
| L1112519-03 | SB-173 (4-5) | Soil | 8/4/11 | Method 3540C | 0.0366 | 1 | Yes | None | None | None | None | None | None |
| L1112519-04 | SB-173 (5-6) | Soil | 8/4/11 | Method 3540C | 0.0449 | 1 | No | None | None | None | None | None | None |
| L1112519-05 | SB-172 (4-5) | Soil | 8/4/11 | Method 3540C | 0.858 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. MSD recovery was above the acceptance criteria for Aroclor 1016 (149%), however the associated LCS/LCSD recoveries were within the criteria. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1112519-06 | SB-172 (5-6) | Soil | 8/4/11 | Method 3540C | 0.172 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1112519-07 | SB-190 (3-4) | Soil | 8/5/11 | Method 3540C | 0.174 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1112519-08 | SB-176 (4-5) | Soil | 8/4/11 | Method 3540C | 0.0356 | 1 | Yes | None | Surrogate recovery is outside the individual acceptance criteria for Decachlorobiphenyl (156%), but within the overall method allowances. All compounds are considered to have a potential bias. The surrogate recovery for the MSD is above the acceptance criteria for Decachlorobiphenyl (161%/172%). The associated MSD spike compounds are within overall acceptance criteria. | None | None | None | None |
| L1112519-09 | SB-176 (5-6) | Soil | 8/4/11 | Method 3540C | 0.0347 | 1 | No | None | None | None | None | None | None |
| L1112519-10 | SB-176 (6-7) | Soil | 8/4/11 | Method 3540C | 0.0329 | 1 | No | None | None | None | None | None | None |
| L1112519-11 | SB-176 (7-8) | Soil | 8/4/11 | Method 3540C | 0.0336 | 1 | No | None | None | None | None | None | None |
| L1112519-12 | SB-191 (3-4) | Soil | 8/5/11 | Method 3540C | 0.038 | 1 | Yes | The dual column RPD is above the acceptance criteria for Aroclor 1248; however, no obvious column interferences are present. The results have been qualified with a "P". | None | None | None | None | None |
| L1112519-13 | SB-192 (3-4) | Soil | 8/5/11 | Method 3540C | 0.0336 | 1 | Yes | None | None | None | None | None | None |
| L1112519-14 | SB-188 (3-4) | Soil | 8/5/11 | Method 3540C | 0.0327 | 1 | No | None | None | None | None | None | None |
| L1115252-01 | SB-199 (0.5-1.5) | Soil | 9/23/11 | Method 3540C | 0.0345 | 1 | No | None | None | None | None | None | None |
| L1115252-02 | SB-199 (1.5-2.5) | Soil | 9/23/11 | Method 3540C | 0.0325 | 1 | No | None | None | None | None | None | None |
| L1115252-03 | SB-199 (2.5-3.5) | Soil | 9/23/11 | Method 3540C | 0.103 | 1 | No | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the sample. |
| L1115252-04 | SB-199 (3.5-4.5) | Soil | 9/23/11 | Method 3540C | 0.0355 | 1 | No | None | None | None | None | None | None |
| L1115252-05 | SB-200 (0.5-1.5) | Soil | 9/23/11 | Method 3540C | 0.0365 | 1 | No | None | None | None | None | None | None |
| L1115252-06 | SB-200 (1.5-2.5) | Soil | 9/23/11 | Method 3540C | 0.171 | 1 | No | None | Surrogate recovery is outside the individual acceptance criteria for Decachlorobiphenyl (29%), but within the overall method allowances. All compounds are considered to have a potential bias. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the sample. |
| L1115252-07 | SB-200 (2.5-3.5) | Soil | 9/23/11 | Method 3540C | 0.0337 | 1 | No | None | None | None | None | None | None |
| L1115252-08 | SB-200 (3.5-4.5) | Soil | 9/23/11 | Method 3540C | 0.0387 | 1 | No | None | None | None | None | None | None |
| L1115252-09 | SB-201 (0.0-1.0) | Soil | 9/23/11 | Method 3540C | 0.0341 | 1 | No | None | None | None | None | None | None |
| L1115252-10 | SB-201 (1.0-2.0) | Soil | 9/23/11 | Method 3540C | 0.034 | 1 | Yes | None | None | None | None | None | None |
| L1115252-11 | SB-201 (2-3) | Soil | 9/23/11 | Method 3540C | 0.0344 | 1 | Yes | None | None | None | None | None | None |
| L1115252-12 | SB-201 (3-4) | Soil | 9/23/11 | Method 3540C | 0.0359 | 1 | No | None | None | None | None | None | None |

**Table 3**
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**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1115252-13 | SB-185( 0-1) | Soil | 9/23/11 | Method 3540C | 0.0354 | 1 | No | None | None | None | None | None | None |
| L1115252-14 | SB-185 (1-2) | Soil | 9/23/11 | Method 3540C | 0.0677 | 1 | Yes | The dual column RPD is above the acceptance criteria for Aroclor 1260; however, no obvious column interferences are present. The results have been qualified with a "P". | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the sample. |
| L1115252-15 | SB-185 (2-3) | Soil | 9/23/11 | Method 3540C | 0.176 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1115252-16 | SB-185 (3-4) | Soil | 9/23/11 | Method 3540C | 0.701 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1115252-17 | SB-185( 0-1) | Soil | 9/23/11 | Method 3540C | 0.0347 | 1 | Yes | None | None | None | None | None | None |
| L1115252-18 | SB-185 (1-2) | Soil | 9/23/11 | Method 3540C | 0.0338 | 1 | No | None | None | None | None | None | None |
| L1115252-19 | SB-185 (2-3) | Soil | 9/23/11 | Method 3540C | 0.0729 | 1 | No | None | None | None | None | None | None |
| L1115252-20 | SB-185 (3-4) | Soil | 9/23/11 | Method 3540C | 0.0362 | 1 | Yes | None | None | None | None | None | None |
| L115253-01 | SB-204( 0-1) | Soil | 9/23/11 | Method 3540C | 0.0361 | 1 | Yes | None | None | None | None | None | None |
| L115253-02 | SB-204 (1-2) | Soil | 9/23/11 | Method 3540C | 0.0345 | 1 | No | None | None | None | None | None | None |
| L115253-03 | SB-204 (2-3) | Soil | 9/23/11 | Method 3540C | 0.0341 | 1 | No | None | None | None | None | None | None |
| L115253-04 | SB-204 (3-4) | Soil | 9/23/11 | Method 3540C | 0.0354 | 1 | No | None | None | None | None | None | None |
| L115253-05 | SB-204 (4-5) | Soil | 9/23/11 | Method 3540C | 0.037 | 1 | no | None | None | None | None | None | None |
| L115253-09 | SB-206( 0-1) | Soil | 9/23/11 | Method 3540C | 0.362 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L115253-10 | SB-206 (1-2) | Soil | 9/23/11 | Method 3540C | **6.94** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L115253-11 | SB-206 (2-3) | Soil | 9/23/11 | Method 3540C | **71.3** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L115253-12 | SB-206 (3-4) | Soil | 9/23/11 | Method 3540C | **14.8** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L115253-13 | SB-206 (4-5) | Soil | 9/23/11 | Method 3540C | 0.0854 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the sample. |
| L115253-14 | SB-206 (5-6) | Soil | 9/23/11 | Method 3540C | **1.82** | 1 | | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L115253-17 | SB-205( 0-1) | Soil | 9/23/11 | Method 3540C | 0.033 | 1 | No | None | None | None | None | None | None |
| L115253-18 | SB-205 (1-2) | Soil | 9/23/11 | Method 3540C | 0.0716 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L115253-19 | SB-205 (2-3) | Soil | 9/23/11 | Method 3540C | 0.0352 | 1 | Yes | None | None | None | None | None | None |
| L115253-20 | SB-205 (3-4) | Soil | 9/23/11 | Method 3540C | 0.0339 | 1 | No | None | None | None | None | None | None |
| L115254-01 | SB-205 (6-7) DUP | Soil | 9/23/11 | Method 3540C | 0.0352 | 1 | No | | None | None | None | None | None |
| L115254-02 | SB-205 (4-5) | Soil | 9/23/11 | Method 3540C | 0.0339 | 1 | No | | None | None | None | None | None |
| L115254-06 | SB-208( 0-1) | Soil | 9/23/11 | Method 3540C | 0.188 | 1 | Yes | None | None | None | None | None | None |
| L115254-07 | SB-208 (1-2) | Soil | 9/23/11 | Method 3540C | **6.8** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L115254-08 | SB-208 (2-3) | Soil | 9/23/11 | Method 3540C | **17.5** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L115254-09 | SB-208 (3-4) | Soil | 9/23/11 | Method 3540C | **7** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L115254-10 | SB-208 (4-5) | Soil | 9/23/11 | Method 3540C | 0.719 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L115254-21 | SB-210 (7-8) | Soil | 9/23/11 | Method 3540C | 0.0376 | 1 | No | None | None | None | None | None | None |
| L1115255-10 | SB-209 ( 0-1) | Soil | 9/23/11 | Method 3540C | 0.392 | 1 | Yes | | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | | | | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1115255-13 | SB-213 (3-4) DUP | Soil | 9/23/11 | Method 3540C | 0.037 | 1 | No | None | None | None | None | None | None |
| L1115255-14 | Sb-212 (0-1) | Soil | 9/23/11 | Method 3540C | 0.0701 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1115255-15 | SB-212 (1-2) | Soil | 9/23/11 | Method 3540C | 0.0359 | 1 | No | None | None | None | None | None | None |
| L1115255-16 | SB-212 (2-3) | Soil | 9/23/11 | Method 3540C | 0.0363 | 1 | No | None | None | None | None | None | None |
| L1115255-17 | SB-212 (3-4) | Soil | 9/23/11 | Method 3540C | 0.0364 | 1 | No | None | None | None | None | None | None |
| L1115255-18 | SB-212 (4-5) | Soil | 9/23/11 | Method 3540C | 0.036 | 1 | No | None | None | None | None | None | None |
| L1115256-01 | SB-214 ( 0-1) | Soil | 9/23/11 | Method 3540C | 0.0376 | 1 | Yes | The dual column RPD is above the acceptance criteria for Aroclor 1254; however, no obvious column interferences are present. The results have been qualified with a "P". | None | None | None | None | None |
| L1115256-02 | SB-214 (1-2) | Soil | 9/23/11 | Method 3540C | 0.0382 | 1 | Yes | The dual column RPD is above the acceptance criteria for Aroclor 1254; however, no obvious column interferences are present. The results have been qualified with a "P". | None | None | None | None | None |
| L1115256-03 | SB-214 (2-3) | Soil | 9/23/11 | Method 3540C | 0.0386 | 1 | Yes | None | None | None | None | None | None |
| L1115256-04 | SB-214 (3-4) | Soil | 9/23/11 | Method 3540C | 0.0359 | 1 | No | None | None | None | None | None | None |
| L1115256-05 | SB-214 (4-5) | Soil | 9/23/11 | Method 3540C | 0.035 | 1 | No | None | None | None | None | None | None |
| L1115256-06 | SB-214 (5-6) | Soil | 9/23/11 | Method 3540C | 0.0392 | 1 | No | None | None | None | None | None | None |
| L1115256-13 | SB-197( 0-1) | Soil | 9/23/11 | Method 3540C | 0.0351 | 1 | No | None | None | None | None | None | None |
| L1115256-14 | SB-197 (1-2) | Soil | 9/23/11 | Method 3540C | 0.0353 | 1 | No | None | None | None | None | None | None |
| L1115256-15 | SB-197 (2-3) | Soil | 9/23/11 | Method 3540C | 0.0354 | 1 | Yes | The dual column RPD is above the acceptance criteria for Aroclor 1254; however, no obvious column interferences are present. The results have been qualified with a "P". | None | None | None | None | None |
| L1115256-17 | SB-196( 0-1) | Soil | 9/23/11 | Method 3540C | 0.0351 | 1 | No | None | None | None | None | None | None |
| L1115256-18 | SB-196 (1-2) | Soil | 9/23/11 | Method 3540C | 0.0362 | 1 | No | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1115256-19 | SB-196 (2-3) | Soil | 9/23/11 | Method 3540C | 0.176 | 1 | No | None | None | None | None | None | None |
| L1115257-01 | SB-212 (5-6) | Soil | 9/23/11 | Method 3540C | **1.42** | 1 | Yes | | None | None | None | None | None |
| L1115257-05 | SB-211 (1-2) | Soil | 9/23/11 | Method 3540C | 0.0383 | 1 | No | None | None | None | None | None | None |
| L1115257-06 | SB-211 (2-3) | Soil | 9/23/11 | Method 3540C | 0.0418 | 1 | No | None | None | None | None | None | None |
| L1115257-07 | SB-211 (3-4) | Soil | 9/23/11 | Method 3540C | 0.0442 | 1 | No | None | None | None | None | None | None |
| L1115257-08 | SB-211 (4-5) | Soil | 9/23/11 | Method 3540C | 0.0341 | 1 | No | None | None | None | None | None | None |
| L1115257-09 | SB-211 (5-6) | Soil | 9/23/11 | Method 3540C | 0.188 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1115257-11 | SB-209 (1-2) | Soil | 9/23/11 | Method 3540C | **168** | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclors 1248 and 1254. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1115257-12 | SB-209(2-3) | Soil | 9/23/11 | Method 3540C | **7.06** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1115257-13 | SB-209 (3-4) | Soil | 9/23/11 | Method 3540C | 0.173 | 1 | No | None | | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1115257-14 | SB-209 (4-5) | Soil | 9/23/11 | Method 3540C | 0.0354 | 1 | No | None | | None | None | None | None |
| L1115257-15 | SB-209 (5-6) | Soil | 9/23/11 | Method 3540C | **3.73** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1115257-16 | SB-209 (6-7) | Soil | 9/23/11 | Method 3540C | NA | 1 | NA | NOT ANALYZED | | None | None | None | None |
| L1115257-17 | SB-209 (7-8) | Soil | 9/23/11 | Method 3540C | NA | 1 | NA | NOT ANALYZED | | None | None | None | None |
| L1115257-18 | SB-209 (1-2) DUP | Soil | 9/23/11 | Method 3540C | **71.9** | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclors 1248 and 1254. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1115257-19 | SB-195( 0-1) | Soil | 9/23/11 | Method 3540C | NA | 1 | NA | NOT ANALYZED | | None | None | None | None |
| L1115257-20 | SB-195 (1-2) | Soil | 9/23/11 | Method 3540C | NA | 1 | NA | NOT ANALYZED | | None | None | None | None |
| L1115257-21 | SB-195 (2-3) | Soil | 9/23/11 | Method 3540C | NA | 1 | NA | NOT ANALYZED | | None | None | None | None |
| L1115257-22 | SB-195 (3-4) | Soil | 9/23/11 | Method 3540C | NA | 1 | NA | NOT ANALYZED | | None | None | None | None |
| L1115257-23 | SB-213 ( 0-1) | Soil | 9/23/11 | Method 3540C | **3.6** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1115257-24 | SB-213 (1-2) | Soil | 9/23/11 | Method 3540C | **3.42** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1115257-25 | SB-213 (2-3) | Soil | 9/23/11 | Method 3540C | **3.57** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1115257-26 | SB-213 (3-4) | Soil | 9/23/11 | Method 3540C | 0.373 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1115257-27 | SB-213 (4-5) | Soil | 9/23/11 | Method 3540C | 0.0368 | 1 | No | None | None | None | None | None | None |
| L1115257-28 | SB-213 (5-6) | Soil | 9/23/11 | Method 3540C | NA | 1 | NA | NOT ANALYZED | | None | None | None | None |
| L1116682-01 | SB-206 (6-7) | Soil | 9/23/11 | Method 3540C | 0.0355 | 1 | Yes | The internal standard response for 1-Bromo-2-Nitrobenzene was below the acceptance criteria, however the associated samples had acceptable internal standards recoveries and were non-detect. | None | None | None | None | None |
| L1116682-02 | SB-206 (7-8) | Soil | 9/23/11 | Method 3540C | 0.0359 | 1 | No | None | None | None | None | None | None |
| L1116682-03 | SB-208 (5-6) | Soil | 9/23/11 | Method 3540C | **203** | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1116682-04 | SB-208 (6-7) | Soil | 9/23/11 | Method 3540C | 0.464 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1116682-05 | SB-208 (7-8) | Soil | 9/23/11 | Method 3540C | 0.0346 | 1 | No | None | None | None | None | None | None |
| L1116682-06 | SB-210( 0-1) | Soil | 9/23/11 | Method 3540C | **7.56** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1116682-07 | SB-210 (1-2) | Soil | 9/23/11 | Method 3540C | **83.8** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1116682-08 | SB-210 (2-3) | Soil | 9/23/11 | Method 3540C | **34.8** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1116682-09 | SB-210 (3-4) | Soil | 9/23/11 | Method 3540C | 0.0372 | 1 | Yes | The dual column RPD is above the acceptance criteria for Aroclor 1248; however, no obvious column interferences are present. The results have been qualified with a "P". | None | None | None | None | None |
| L1116682-10 | SB-210 (4-5) | Soil | 9/23/11 | Method 3540C | **3.59** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1116682-11 | SB-210 (5-6) | Soil | 9/23/11 | Method 3540C | **6.86** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1116682-12 | SB-210 (6-7) | Soil | 9/23/11 | Method 3540C | **6.71** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1116682-13 | SB-211 (7-8) | Soil | 9/23/11 | Method 3540C | 0.0345 | 1 | No | None | None | None | None | None | None |
| L1116682-14 | SB-207( 0-1) | Soil | 9/23/11 | Method 3540C | **1.78** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1116682-15 | SB-207 (1-2) | Soil | 9/23/11 | Method 3540C | **3.71** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1116682-16 | SB-207 (2-3) | Soil | 9/23/11 | Method 3540C | 0.697 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1116682-17 | SB-207 (3-4) | Soil | 9/23/11 | Method 3540C | **176** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1116682-18 | SB-207(4-5) | Soil | 9/23/11 | Method 3540C | 0.0406 | 1 | Yes | None | None | None | None | None | None |
| L1116682-19 | SB-207 (5-6) | Soil | 9/23/11 | Method 3540C | **35.6** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1116682-20 | SB-207 (6-7) | Soil | 9/23/11 | Method 3540C | 0.0463 | 1 | Yes | None | None | None | None | None | None |
| L1116682-21 | SB-207 (7-8) | Soil | 9/23/11 | Method 3540C | 0.0344 | 1 | No | None | None | None | None | None | None |
| L1116682-22 | SB-213 (6-7) | Soil | 9/23/11 | Method 3540C | **6.83** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1116682-23 | SB-196 (3-4) | Soil | 9/23/11 | Method 3540C | 0.0372 | 1 | No | None | None | None | None | None | None |
| L1116682-24 | SB-211 (6-7) | Soil | 9/23/11 | Method 3540C | 0.0492 | 1 | No | None | None | None | None | None | None |
| L1116682-25 | SB-209 (6-7) | Soil | 9/23/11 | Method 3540C | 0.0451 | 1 | No | None | The surrogate recoveries for the Method Blank are outside the indvidual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (486%/533%) and Decachlorobiphenyl (338%/402%). | None | None | None | None |
| L1116682-26 | SB-209 (7-8) | Soil | 9/23/11 | Method 3540C | 0.0362 | 1 | No | None | None | None | None | None | None |
| L1116682-27 | SB-213 (5-6) | Soil | 9/23/11 | Method 3540C | **6.94** | 1 | Yes | Re-extracted beacasue the Method Blank in the original extraction had failed internal standard The re-extraction was done with the method required holding time exceeded. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| 1116682-27-RE | SB-213 (5-6) | Soil | 9/23/11 | Method 3540C | **13.7** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1117320-01 | SB-213 (7-8) | Soil | 9/23/2011 | Method 3540C | 0.0344 | 1 | No | None | The surrogate recoveries for the Method Blank are below the acceptance criteria for Decachlorobiphenyl (28%/28%). | None | None | None | None |
| L1120092-01 | SB-215 ( 0-1) | Soil | 12/2/2011 | Method 3540C | 0.0355 | 1 | Yes | None | None | None | None | None | None |
| L1120092-02 | SB-215 (1-2) | Soil | 12/2/2011 | Method 3540C | 0.181 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1120092-03 | SB-215 (2-3) | Soil | 12/2/2011 | Method 3540C | 0.0348 | 1 | No | None | None | None | None | None | None |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1120092-04 | SB-215 (3-4) | Soil | 12/2/2011 | Method 3540C | 0.0391 | 1 | No | None | None | None | None | None | None |
| L1120092-05 | SB-215 (4-5) | Soil | 12/2/2011 | Method 3540C | 0.0432 | 1 | No | None | None | None | None | None | None |
| L1120092-06 | SB-215 (5-6) | Soil | 12/2/2011 | Method 3540C | 0.0436 | 1 | Yes | None | None | None | None | None | None |
| L1120092-09 | SB-216 ( 0-1) | Soil | 12/2/2011 | Method 3540C | 0.036 | 1 | Yes | None | None | None | None | None | None |
| L1120092-10 | SB-216 (1-2) | Soil | 12/2/2011 | Method 3540C | 0.0347 | 1 | Yes | None | None | None | None | None | None |
| L1120092-11 | SB-216 (2-3) | Soil | 12/2/2011 | Method 3540C | 0.0362 | 1 | No | None | None | None | None | None | None |
| L1120092-12 | SB-216 (3-4) | Soil | 12/2/2011 | Method 3540C | 0.0369 | 1 | No | None | None | None | None | None | None |
| L1120092-13 | SB-216 (4-5) | Soil | 12/2/2011 | Method 3540C | 0.0371 | 1 | No | None | None | None | None | None | None |
| L1120092-14 | SB-216 (5-6) | Soil | 12/2/2011 | Method 3540C | 0.0374 | 1 | No | None | None | None | None | None | None |
| L1120092-17 | SB-217 ( 0-1) | Soil | 12/2/2011 | Method 3540C | 0.0362 | 1 | No | None | None | None | None | None | None |
| L1120092-18 | SB-217 (1-2) | Soil | 12/2/2011 | Method 3540C | 0.0347 | 1 | Yes | None | None | None | None | None | None |
| L1120092-19 | SB-217 (2-3) | Soil | 12/2/2011 | Method 3540C | 0.0336 | 1 | No | None | None | None | None | None | None |
| L1120092-20 | SB-217 (3-4) | Soil | 12/2/2011 | Method 3540C | 0.0338 | 1 | No | None | None | None | None | None | None |
| L1120095-01 | SB-217 (4-5) | Soil | 12/2/2011 | Method 3540C | 0.0387 | 1 | No | None | None | None | None | None | None |
| L1120095-02 | SB-217 (5-6) | Soil | 12/2/2011 | Method 3540C | 0.0348 | 1 | No | None | None | None | None | None | None |
| L1120095-05 | SB-218 ( 0-1) | Soil | 12/2/2011 | Method 3540C | 0.171 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1120095-06 | SB-218 (1-2) | Soil | 12/2/2011 | Method 3540C | 0.0346 | 1 | No | None | None | None | None | None | None |
| L1120095-07 | SB-218 (2-3) | Soil | 12/2/2011 | Method 3540C | 0.035 | 1 | No | None | None | None | None | None | None |
| L1120095-08 | SB-218 (3-4) | Soil | 12/2/2011 | Method 3540C | 0.0346 | 1 | No | None | None | None | None | None | None |
| L1120095-09 | SB-218 (4-5) | Soil | 12/2/2011 | Method 3540C | 0.036 | 1 | No | None | None | None | None | None | None |
| L1120095-10 | SB-218 (5-6) | Soil | 12/2/2011 | Method 3540C | 0.0457 | 1 | No | None | None | None | None | None | None |
| L1120095-13 | SB-219 ( 0-1) | Soil | 12/2/2011 | Method 3540C | 0.0351 | 1 | Yes | None | None | None | None | None | None |
| L1120095-14 | SB-219(1-2) | Soil | 12/2/2011 | Method 3540C | 0.035 | 1 | No | The internal standard response for 1-Bromo-2-Nitrobenzene was above the acceptance criteria on the confirmation column, however the sample was not re-analyzed due to obvious interferences. All associated compounds are consdiered to have a potentially low bias. | None | None | None | None | None |
| L1120095-15 | SB-219 (2-3) | Soil | 12/2/2011 | Method 3540C | 0.0356 | 1 | No | None | None | None | None | None | None |
| L1120095-16 | SB-219 (3-4) | Soil | 12/2/2011 | Method 3540C | 0.0371 | 1 | No | None | None | None | None | None | None |
| L1120095-17 | SB-219 (4-5) | Soil | 12/2/2011 | Method 3540C | 0.0362 | 1 | No | None | None | None | None | None | None |
| L1120095-18 | SB-219 (5-6) | Soil | 12/2/2011 | Method 3540C | 0.0337 | 1 | No | None | None | None | None | None | None |
| L1120098-01 | SB-220 ( 0-1) | Soil | 12/2/2011 | Method 3540C | 0.0368 | 1 | Yes | None | The surrogate recoveries for the Method Blank are below the acceptance criteria for Decachlorobiphenyl (28%/28%). | None | None | None | None |
| L1120098-02 | SB-220 (1-2) | Soil | 12/2/2011 | Method 3540C | 0.0348 | 1 | Yes | None | None | None | None | None | None |
| L1120098-03 | SB-220 (2-3) | Soil | 12/2/2011 | Method 3540C | 0.034 | 1 | No | None | None | None | None | None | None |
| L1120098-04 | SB-220 (3-4) | Soil | 12/2/2011 | Method 3540C | 0.0354 | 1 | No | None | None | None | None | None | None |
| L1120098-05 | SB-220 (4-5) | Soil | 12/2/2011 | Method 3540C | 0.0365 | 1 | No | None | None | None | None | None | None |

**Table 3**
**Data Usability Assessment**
**1 India Street, Providence, Rhode Island**

| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1120098-06 | SB-220 (5-6) | Soil | 12/2/2011 | Method 3540C | 0.0361 | 1 | No | None | None | None | None | None | None |
| L1120098-09 | SB-221 ( 0-1) | Soil | 12/2/2011 | Method 3540C | 0.357 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1120098-10 | SB-221 (1-2) | Soil | 12/2/2011 | Method 3540C | 0.178 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1120098-11 | SB-221 (2-3) | Soil | 12/2/2011 | Method 3540C | 0.0349 | 1 | No | None | None | None | None | None | None |
| L1120098-12 | SB-221 (3-4) | Soil | 12/2/2011 | Method 3540C | 0.0342 | 1 | No | None | None | None | None | None | None |
| L1120098-13 | SB-221 (4-5) | Soil | 12/2/2011 | Method 3540C | 0.035 | 1 | No | None | None | None | None | None | None |
| L1120098-14 | SB-221 (5-6) | Soil | 12/2/2011 | Method 3540C | 0.0349 | 1 | Yes | None | None | None | None | None | None |
| L1120098-17 | SB-222 ( 0-1) | Soil | 12/2/2011 | Method 3540C | **1.82** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1120098-18 | SB-222 (1-2) | Soil | 12/2/2011 | Method 3540C | **90.6** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1120098-19 | SB-222 (2-3) | Soil | 12/2/2011 | Method 3540C | 0.18 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1120098-20 | SB-222 (3-4) | Soil | 12/2/2011 | Method 3540C | 0.0361 | 1 | No | None | None | None | None | None | None |
| L1120100-01 | SB-222 (4-5) | Soil | 12/2/2011 | Method 3540C | 0.0421 | 1 | No | None | None | None | None | None | None |
| L1120100-02 | SB-222 (5-6) | Soil | 12/2/2011 | Method 3540C | 0.68 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1120100-05 | SB-223 ( 0-1) | Soil | 12/2/2011 | Method 3540C | **14.2** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1120100-06 | SB-223 (1-2) | Soil | 12/2/2011 | Method 3540C | **14.6** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1120100-07 | SB-223 (2-3) | Soil | 12/2/2011 | Method 3540C | **90.2** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1120100-08 | SB-223 (3-4) | Soil | 12/2/2011 | Method 3540C | **7.19** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. The MS/MSD was not analyzed because the dilution required by the elevated concentrations of target compounds present in the sample to be utlizied for the MS/MSD would have caused spike compounds to be diluted below the range of calibration. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1120100-09 | SB-223 (4-5) | Soil | 12/2/2011 | Method 3540C | 0.0353 | 1 | No | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclors 1248 and 1254. | None | None | None | None | None |
| L1120100-10 | SB-223 (5-6) | Soil | 12/2/2011 | Method 3540C | 0.0353 | 1 | Yes | None | None | None | None | None | None |
| L1120100-13 | SB-224 ( 0-1) | Soil | 12/2/2011 | Method 3540C | **14.8** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1120100-14 | SB-224 (1-2) | Soil | 12/2/2011 | Method 3540C | **7.14** | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the dilutions required by the elevated concentrations of target compounds. |
| L1120100-15 | SB-224 (2-3) | Soil | 12/2/2011 | Method 3540C | 0.11 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1120100-16 | SB-224 (3-4) | Soil | 12/2/2011 | Method 3540C | 0.041 | 1 | Yes | None | None | None | None | None | None |
| L1120100-17 | SB-224 (4-5) | Soil | 12/2/2011 | Method 3540C | 0.0387 | 1 | No | None | None | None | None | None | None |
| L1120100-18 | SB-224 (5-6) | Soil | 12/2/2011 | Method 3540C | 0.0698 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1120102-01 | SB-225 ( 0-1) | Soil | 12/2/2011 | Method 3540C | 0.11 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1120102-02 | SB-225 (1-2) | Soil | 12/2/2011 | Method 3540C | 0.0716 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1120102-03 | SB-225 (2-3) | Soil | 12/2/2011 | Method 3540C | 0.072 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |

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| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1120102-04 | SB-225 (3-4) | Soil | 12/2/2011 | Method 3540C | 0.0345 | 1 | No | None | None | None | None | None | None |
| L1120102-05 | SB-225 (4-5) | Soil | 12/2/2011 | Method 3540C | 0.0367 | 1 | Yes | None | None | None | None | None | None |
| L1120102-06 | SB-225 (5-6) | Soil | 12/2/2011 | Method 3540C | 0.377 | 1 | Yes | None | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1120102-09 | SB-226 ( 0-1) | Soil | 12/2/2011 | Method 3540C | 0.0374 | 1 | Yes | None | None | None | None | None | None |
| L1120102-10 | SB-226 (1-2) | Soil | 12/2/2011 | Method 3540C | 0.0355 | 1 | Yes | None | None | None | None | None | None |
| L1120102-11 | SB-226 (2-3) | Soil | 12/2/2011 | Method 3540C | 0.0366 | 1 | Yes | None | None | None | None | None | None |
| L1120102-12 | SB-226 (3-4) | Soil | 12/2/2011 | Method 3540C | 0.0368 | 1 | Yes | None | None | None | None | None | None |
| L1120102-13 | SB-226 (4-5) | Soil | 12/2/2011 | Method 3540C | 0.0385 | 1 | No | None | None | None | None | None | None |
| L1120102-14 | SB-226 (5-6) | Soil | 12/2/2011 | Method 3540C | 0.0361 | 1 | Yes | None | None | None | None | None | None |
| L1120107-01 | SB-223 (4-5) DUP | Soil | 12/2/2011 | Method 3540C | **3.47** | 1 | Yes | Field duplicate RPDs were above acceptance criteria of 50% for detects of Aroclors 1248 and 1254. | The surrogate recoveries are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1120107-02 | SB-224 (6-7) | Soil | 12/2/2011 | Method 3540C | 0.0398 | 1 | Yes | None | None | None | None | None | None |
| L1120107-03 | SB-226 (7-8) | Soil | 12/2/2011 | Method 3540C | 0.0351 | 1 | Yes | None | None | None | None | None | None |
| L1120107-04 | SB-229 (2-3) | Soil | 12/2/2011 | Method 3540C | 0.0361 | 1 | Yes | None | None | None | None | None | None |
| L1120107-05 | SB-GPR (0-1) | Soil | 12/2/2011 | Method 3540C | 0.0407 | 1 | Yes | None | None | | | | |
| L1120859-01 | SB-222 (6-7) | Soil | 12/2/2011 | Method 3540C | 0.0359 | 1 | No | None | None | None | None | None | None |
| L1120859-02 | SB-222 (7-8) | Soil | 12/2/2011 | Method 3540C | 0.0401 | 1 | No | None | None | None | None | None | None |
| L1120859-03 | SB-223 (6-7) | Soil | 12/2/2011 | Method 3540C | 0.0345 | 1 | Yes | None | None | None | None | None | None |
| L1120859-04 | SB-223 (7-8) | Soil | 12/2/2011 | Method 3540C | 0.0344 | 1 | No | None | None | None | None | None | None |
| L1120860-01 | SB-225 (6-7) | Soil | 12/2/2011 | Method 3540C | 0.0364 | 1 | No | None | None | None | None | None | None |
| L1120860-02 | SB-225 (7-8) | Soil | 12/2/2011 | Method 3540C | 0.0347 | 1 | No | None | None | None | None | None | None |
| L1120860-03 | SB-228 ( 0-1) | Soil | 12/2/2011 | Method 3540C | 0.21 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1120860-04 | SB-228 (1-2) | Soil | 12/2/2011 | Method 3540C | 0.0366 | 1 | Yes | None | None | None | None | None | None |
| L1120860-05 | SB-228 (2-3) | Soil | 12/2/2011 | Method 3540C | 0.0355 | 1 | Yes | None | None | None | None | None | None |
| L1120860-06 | SB-228 (3-4) | Soil | 12/2/2011 | Method 3540C | 0.108 | 1 | No | None | None | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1120860-07 | SB-228 (4-5) | Soil | 12/2/2011 | Method 3540C | 0.0355 | 1 | No | None | None | None | None | None | None |
| L1120860-08 | SB-228 (5-6) | Soil | 12/2/2011 | Method 3540C | 0.0398 | 1 | No | None | None | None | None | None | None |
| L1120860-11 | SB-229 ( 0-1) | Soil | 12/2/2011 | Method 3540C | 0.12 | | Yes | None | The surrogate recoveries were outside the acceptance criteria for Decachlorobiphenyl (257%/269%); however, the sample was not re-extracted due to coelution with obvious interferences. The results are not considered to be biased. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1120860-12 | SB-229 (1-2) | Soil | 12/2/2011 | Method 3540C | 0.037 | 1 | Yes | None | None | None | None | None | None |
| L1120860-13 | SB-229 (2-3) | Soil | 12/2/2011 | Method 3540C | 0.0367 | 1 | Yes | None | None | None | None | None | None |
| L1120860-14 | SB-229 (3-4) | Soil | 12/2/2011 | Method 3540C | 0.119 | 1 | Yes | None | The surrogate recoveries are above the acceptance criteria for Decachlorobiphenyl (194%/202%). Since the sample was non-detect for all tarfet analytes, re-analysis was not required. | None | None | None | Elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples. |
| L1120860-15 | SB-229 (4-5) | Soil | 12/2/2011 | Method 3540C | 0.0386 | 1 | No | None | None | None | None | None | None |
| L1120860-16 | SB-229 (5-6) | Soil | 12/2/2011 | Method 3540C | 0.0392 | 1 | No | None | None | None | None | None | None |
| L1120860-17 | SB-229 (6-7) | Soil | 12/2/2011 | Method 3540C | 0.0388 | 1 | No | None | None | None | None | None | None |

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| Laboratory ID | Sample ID | Media | Date Collected | Extraction Method | Reporting Limit | Minimum Criteria | PCBs Detected? | Precision Qualification | Accuracy Qualification | Representativeness Qualification | Comparability Qualification | Completeness Qualification | Sensitivity Qualification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1120860-18 | SB-229 (7-8) | Soil | 12/2/2011 | Method 3540C | 0.0342 | 1 | No | None | None | None | None | None | None |
| L1120860-19 | SB-230 ( 0-1) | Soil | 12/2/2011 | Method 3540C | 0.0391 | 1 | Yes | None | None | None | None | None | None |
| L1120860-20 | SB-230 (1-2) | Soil | 12/2/2011 | Method 3540C | 0.196 | 1 | Yes | None | None | None | None | None | Elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples. |
| L1120860-21 | SB-230 (2-3) | Soil | 12/2/2011 | Method 3540C | 0.0366 | 1 | Yes | None | None | None | None | None | None |
| L1120860-22 | SB-230 (3-4) | Soil | 12/2/2011 | Method 3540C | 0.0348 | 1 | No | None | None | None | None | None | None |

**Notes:**
All soil reporting limits are presented in milligrams per kilogram (mg/kg). All groundwater reporting limits are presented in micrograms per liter (µg/L)
Depth is presented in parentheses in feet below ground surface, where 0 represents ground surface.
Bolded values indicate laboratory reporting limits exceed the minimum reporting criteria due to required dilutions.

LCS/LCSD = Laboratory Control Sample/Laboratory Control Sample Duplicate

RPD = Relative Percent Difference
GW = Groundwater

# Figures

environmental consulting
& engineering services

One India Street LLC
1 India Street
Providence, Rhode Island

Source: USGS

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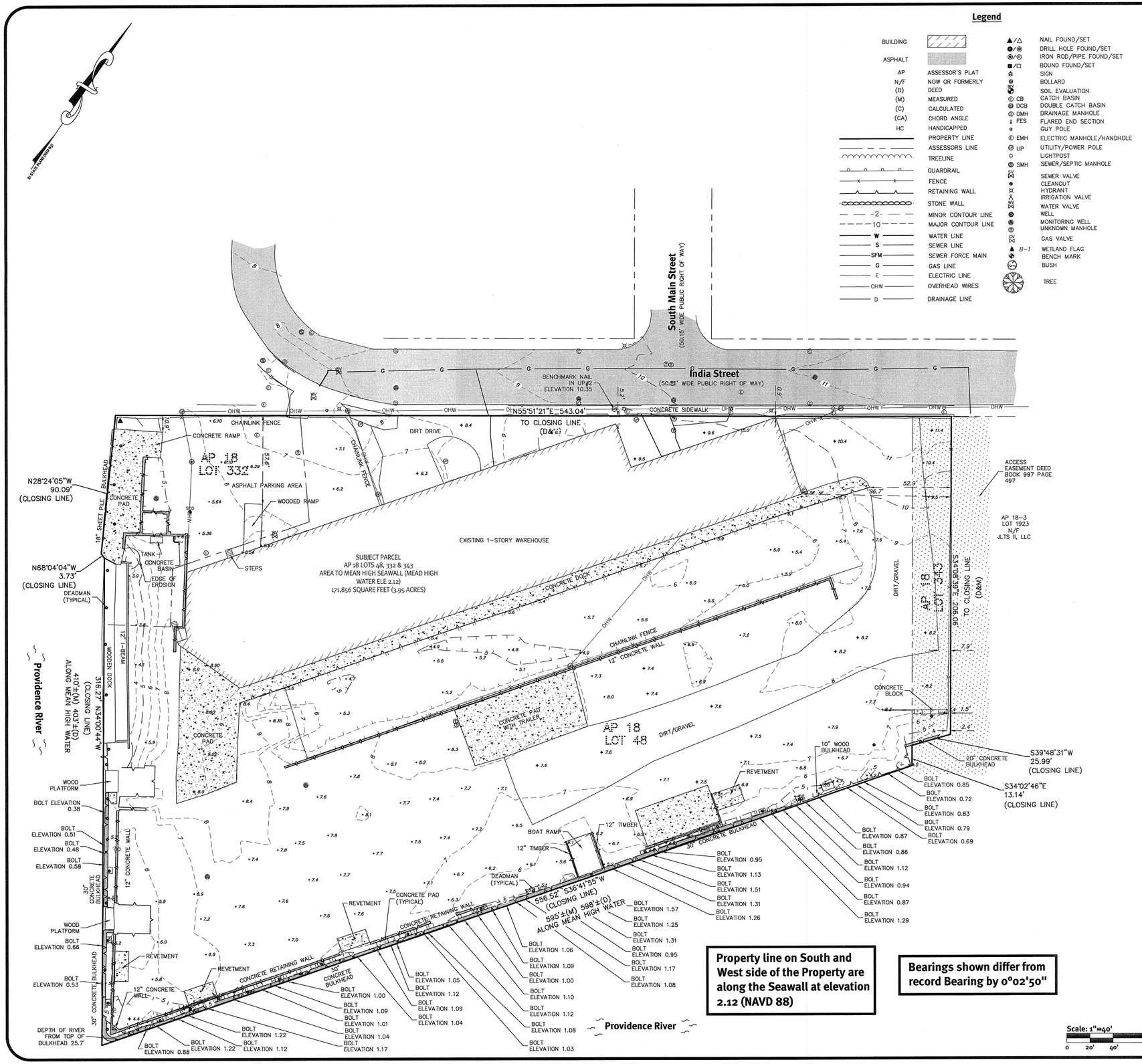
**Site Locus**

**Figure 1**



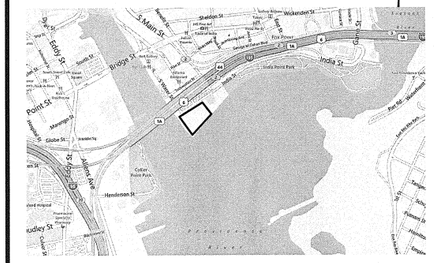

Property line on South and West side of the Property are along the Seawall at elevation 2.12 (NAVD 88)

Bearings shown differ from record Bearing by 0°02'50"

Figure 2

**This Plan Should Be Indexed By The Following Streets:**

- India Street




Locus Map Not To Scale

## General Notes

1. THE PARCEL IS LOCATED IN THE CITY OF PROVIDENCE ON ASSESSOR'S PLAT 18 LOTS 48, 332 & 343.
2. THE OWNER PER DEED BOOK 9852 PAGE 228 IS ONE INDIA STREET, LLC.
3. THE PARCEL IS LOCATED IN ZONE VE (18) PER FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP 44007C0309H, DATED APRIL 18, 2011.
4. THE PARCEL IS ZONED W2 PER THE ASSESSOR'S ONLINE DATABASE. PLEASE CONTACT THE ZONING DEPARTMENT FOR ANY ADDITIONAL INFORMATION OR FOR A CERTIFICATE OF ZONING.
5. THERE WERE NO CEMETERIES, GRAVE SITES AND OR BURIAL GROUNDS OBSERVED WITHIN THE LIMITS OF THE SURVEY.
6. THERE WERE NO VISIBLE ABOVE GROUND ENCROACHMENTS OBSERVED, OTHER THAN SHOWN ON SURVEY.
7. FIELD SURVEY PERFORMED ON MARCH 12 & 22, 2013.
8. ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN LOCATED FROM FIELD SURVEY OBSERVATIONS ONLY TOGETHER WITH EXISTING PLANS BY OTHERS. DIPRETE ENGINEERING IS NOT RESPONSIBLE FOR MISSING UNDERGROUND UTILITIES, EITHER IN SERVICE OR ABANDONED, NOT OBSERVED AT THE TIME OF THE SURVEY. (PLEASE CONTACT DIGSAFE 72 WORKING HOURS PRIOR TO ANY CONSTRUCTION AT 1-800-344-7233).
9. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. DIPRETE ENGINEERING IS NOT RESPONSIBLE FOR ANY UNKNOWN OR UNRECORDED EASEMENTS THAT A TITLE REPORT WOULD DISCLOSE.
10. SITE SUBJECT TO UTILITY EASEMENT DESCRIBED IN DEED BOOK 1029 PAGE 325.
11. A CLOSING LINE IS AN ARBITRARY SURVEY LINE USED FOR COMPUTATIONAL PURPOSES ONLY AND IS NOT TO BE MISINTERPRETED AS A PROPERTY LINE.

## Datum Note:

1. ELEVATIONS SHOWN HEREON, IN U.S. SURVEY FEET, ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), AS DETERMINED BY DIPRETE ENGINEERING USING REAL TIME KINEMATIC G.P.S. OBSERVATIONS.

DiPrete Engineering
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Engineers • Planners • Surveyors

PETER M. WAGENAAR
No. 998
4/25/13
PROFESSIONAL LAND SURVEYOR

CERTIFICATION:

THIS SURVEY AND PLAN CONFORMS TO THE FOLLOWING CLASS STANDARDS AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS EFFECTIVE APRIL 1, 1994.

BOUNDARY SURVEY: CLASS I
TOPOGRAPHIC SURVEY: CLASS N/A

| No. | Date | Description | By: |
|---|---|---|---|
| 0 | 4/25/13 | Existing Conditions Survey | MTI |

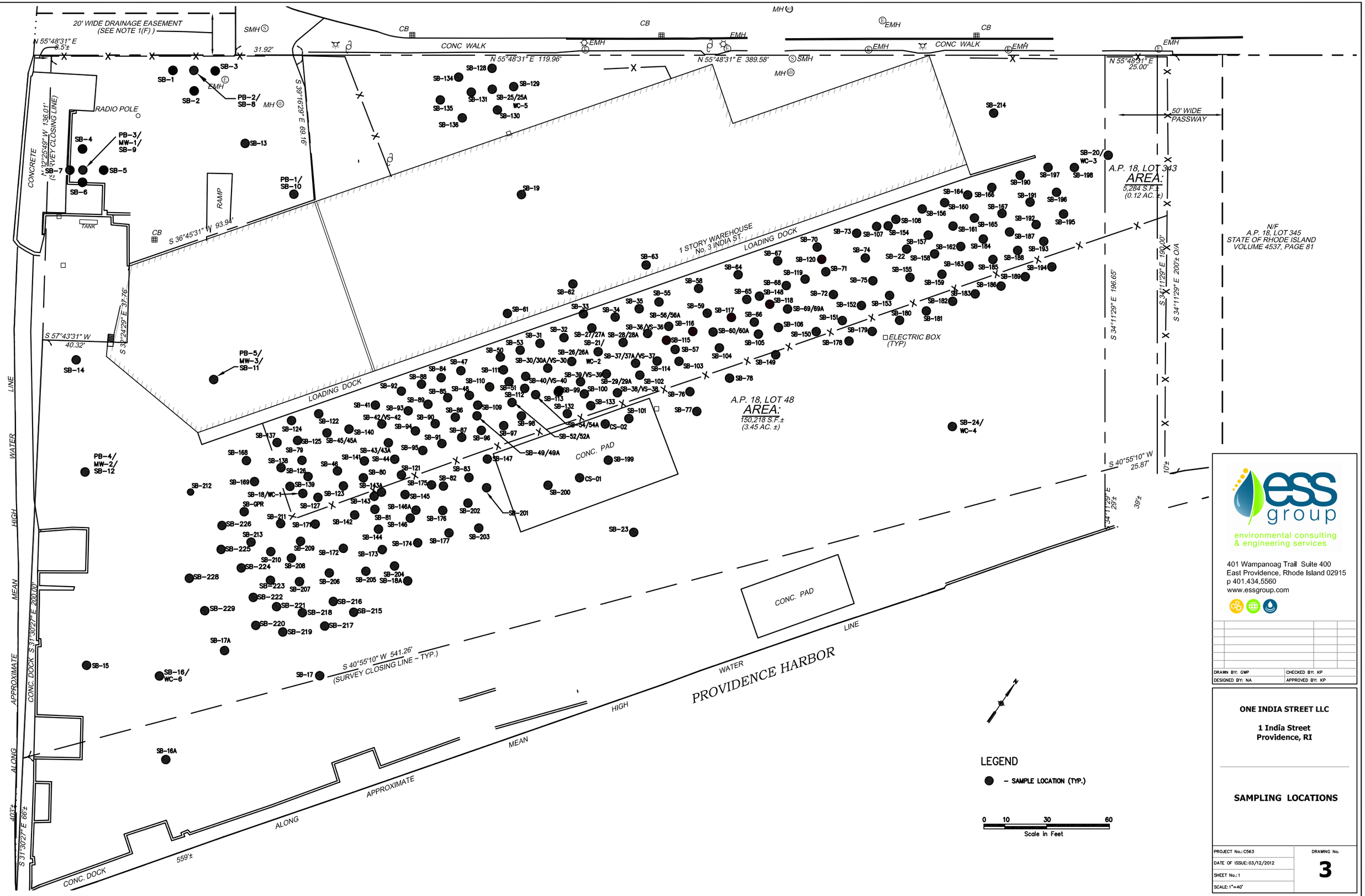
Drawn By: MTI

# Existing Conditions Survey
## 1 India Street
Providence, Rhode Island

Client
**ESS Group, Inc.**
100 Fifth Avenue, 5th Floor, Waltham, Massachusetts 02451
tel 781-419-7715 fax 401-451-8265

DE Job No: 1956-003 Copyright 2013 by DiPrete Engineering Associates, Inc.

SHEET 1 OF 1

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401 Wampanoag Trail Suite 400
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p 401.434.5560
www.essgroup.com

| | |
|---|---|
| DRAWN BY: GWP | CHECKED BY: KP |
| DESIGNED BY: NA | APPROVED BY: KP |

**ONE INDIA STREET LLC**

**1 India Street**
**Providence, RI**

## SAMPLING LOCATIONS

| | |
|---|---|
| PROJECT No.: C563 | DRAWING No. |
| DATE OF ISSUE: 03/12/2012 | 3 |
| SHEET No.: 1 | |
| SCALE: 1"=40' | |

FILENAME: J:\C563-000 McAllister Tracts\McAllister Providence\SRA\Figures\CAD Figures\Fig 3 Sampling Locations 3 yeMAR 2012-02-21.dwg
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SO. WATER STREET

R.I. STATE HIGHWAY LINE ~ PLAT No. 2582

INDIA STREET (PUBLIC ~ 50.15' WIDTH)

SO. MAIN STREET

R.I. STATE HIGHWAY LINE ~ PLAT No. 2592

LEGEND:

- SB-134 thru SB-214 BORING (ESS 2011)
- SB-13 thru SB-133 BORING (W&C 2009-2010)
- SB-21/ WC-2 BORING AND WELL (W&C 2009-2010)
- SB-26 HAND AUGER AND BORING (W&C 2009-2010)
- SB-82 HAND AUGER SAMPLE LOCATION (W&C 2009-2010)

| SB-94 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 1.329 |
| 1.00 - 2.00 | 0.0676 P |

| SB-84 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 304 |
| 1.00 - 2.00 | 115.1 |
| 2.00 - 3.00 | 3.77 |
| 3.00 - 4.00 | 7.08 |
| 4.00 - 5.00 | 0.285 |

| SB-25 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 3.00 | 5.78 |

| SB-25A | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 3.00 | 0.2394 |

| SB-50 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 19990 |
| 1.00 - 2.00 | 701 |
| 2.00 - 3.00 | 1040 |
| 3.00 - 4.00 | 1410 |
| 4.00 - 5.00 | 1820 |
| 5.00 - 6.00 | 1500 |

| SB-111 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 1170 |
| 1.00 - 2.00 | 41.4 |
| 2.00 - 3.00 | 239 |
| 3.00 - 4.00 | 0.792 |
| 4.00 - 5.00 | 34.9 |
| 5.00 - 6.00 | 1.64 |
| 6.00 - 7.00 | 0.1184 |

| SB-31 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 5040 B |
| 1.00 - 2.00 | 54300 B |
| 2.00 - 3.00 | 1340 B |
| 3.00 - 4.00 | 43.8 BP |
| 4.00 - 5.00 | 12.47 BP |
| 5.00 - 6.00 | 1.32 B |

| SB-27 (Auger) | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 2.00 | 7430 |
| SB-27A (Boring) Depth Range | Total PCBs (mg/kg) |
| 0.00 - 1.00 | 20590 |
| 1.00 - 2.00 | 12100 |
| 2.00 - 3.00 | 7150 |
| 3.00 - 4.00 | 1638 |
| 4.00 - 5.00 | 327 |
| 5.00 - 6.00 | 1.17 |

| SB-56 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 2957 |
| 1.00 - 2.00 | 6720 |
| 2.00 - 3.00 | 1064 |
| 3.00 - 4.00 | 1.92 |
| 4.00 - 5.00 | 0.422 |
| 5.00 - 6.00 | 0.551 |

| SB-56A | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 2.00 - 3.00 | 2056 |
| 3.00 - 4.00 | 14.33 |

| SB-107 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 28.4 |
| 1.00 - 2.00 | 3.41 |
| 2.00 - 3.00 | 47 |
| 3.00 - 4.00 | 68.2 |
| 4.00 - 5.00 | 40.1 |
| 5.00 - 6.00 | 203 |

| SB-154 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 5.00 - 6.00 | 23.77 |
| 6.00 - 7.00 | 26.42 |
| 7.00 - 8.00 | 45.7 |
| 7.00 - 8.00(DUP) | 31.57 |
| 8.00 - 9.00 | 0.907 |
| 9.00 - 10.00 | 0.0961 |
| 10.00 - 11.00 | 6.18 |
| 11.00 - 12.00 | 5.38 |

| SB-160 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 1.633 |
| 1.00 - 2.00 | 7.74 |
| 2.00 - 3.00 | 20.07 |
| 3.00 - 4.00 | 5.44 |
| 4.00 - 5.00 | ND(0.344) |
| 4.00 - 5.00(DUP) | ND(0.349) |
| 5.00 - 6.00 | 2.706 |
| 6.00 - 7.00 | ND(0.419) |
| 7.00 - 8.00 | 0.0999 |

| SB-108 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 13.42 |
| 0.00 - 1.00 (Dup) | 22.98 |
| 1.00 - 2.00 | 11.8 |
| 2.00 - 3.00 | ND(2.083)UJ |
| 3.00 - 4.00 | 5.25 |
| 4.00 - 5.00 | 16.42 |
| 5.00 - 6.00 | 103 |

| SB-166 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 0.386 |
| 1.00 - 2.00 | 2.13 |
| 2.00 - 3.00 | 0.167 |

| SB-43 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 8.86 |
| 1.00 - 2.00 | 4.90 |
| 2.00 - 3.00 | ND(0.0341) |

| SB-43A | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00" - 3.00" | 16.24 |
| 0.00" - 3.00" Dup | 11.4 |
| 3.00" - 6.00" | 7.04 |
| 6.00" - 9.00" | 12.31 |
| 9.00" - 12.00" | 17.63 |

| SB-93 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 42.2 |
| 1.00 - 2.00 | 9.03 |
| 2.00 - 3.00 | 0.704 |

| SB-88 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 7.25 |
| 1.00 - 2.00 | 7.13 P |
| 2.00 - 3.00 | 0.3582 |
| 3.00 - 4.00 | 0.199 |

| SB-92 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 2.104 |
| 1.00 - 2.00 | 0.534 P |

| SB-131 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 0.355 |
| 1.00 - 2.00 | 0.1797 |
| 2.00 - 3.00 | 1.038 |
| 3.00 - 4.00 | ND(0.0359) |
| 4.00 - 5.00 | ND(0.13) |

| SB-30 (Auger) | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 2.00 | 17.30 |
| SB-30A (Boring) Depth Range | Total PCBs (mg/kg) |
| 0.00 - 1.00 | 381 B |
| 1.00 - 2.00 | 165.4 B |
| 2.00 - 3.00 | 89.70 B |
| 3.00 - 4.00 | 0.16 |
| VS-30 | Total PCBs (mg/kg) |
| 6.00-7.00 | 0.39 |

| SB-32 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 13180 B |
| 1.00 - 2.00 | 17410 B |
| 4.00 - 5.00 | 125500 B |
| 5.00 - 6.00 | 25040 B |

| SB-33 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 4070 B |
| 1.00 - 2.00 | 6130 B |
| 4.00 - 5.00 | 74 B |
| 5.00 - 6.00 | 8.21 B |

| SB-59 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 17.8 |
| 1.00 - 2.00 | 56.4 |
| 2.00 - 3.00 | 58.5 |
| 3.00 - 4.00 | 338.9 |
| 4.00 - 5.00 | 0.364 |
| 5.00 - 6.00 | 0.54 |

| SB-67 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 97.10 |
| 1.00 - 2.00 | 2.15 |
| 2.00 - 3.00 | 5.37 |
| 3.00 - 4.00 | 1.41 |

| SB-120 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 64.9 |
| 1.00 - 2.00 | 66.6 |
| 2.00 - 3.00 | 2.07 |
| 3.00 - 4.00 | ND(0.0371) |

| SB-156 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 2.26 |
| 1.00 - 2.00 | 15.9 |
| 2.00 - 3.00 | 10.26 |
| 3.00 - 4.00 | 6.51 |
| 4.00 - 5.00 | 4.63 |
| 5.00 - 6.00 | 4.94 |
| 6.00 - 7.00 | ND(0.38) |
| 7.00 - 8.00 | 0.171 |
| 8.00 - 9.00 | 0.0636 |
| 9.00 - 10.00 | 0.0532 |
| 10.00 - 11.00 | ND(0.0399) |
| 11.00 - 12.00 | ND(0.0406) |

| SB-164 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 15.89 |
| 1.00 - 2.00 | 20.18 |
| 2.00 - 3.00 | 2.653 |
| 3.00 - 4.00 | ND(0.0358) |

| SB-161 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 9.62 |
| 1.00 - 2.00 | 6.58 |
| 2.00 - 3.00 | 2.338 |
| 3.00 - 4.00 | ND(0.0354) |

| SB-167 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 1.636 |
| 1.00 - 2.00 | 0.242 |

| SB-70 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 67.1 |
| 1.00 - 2.00 | 61.9 |
| 2.00 - 3.00 | 18.76 |
| 3.00 - 4.00 | 1.885 |
| 4.00 - 5.00 | 1.202 |
| 5.00 - 6.00 | 1.807 |

| SB-190 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 4.77 |
| 1.00 - 2.00 | 11.83 |
| 2.00 - 3.00 | 5.16 |
| 3.00 - 4.00 | 1.065 |

| SB-192 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 3.51 |
| 1.00 - 2.00 | 4.99 |
| 2.00 - 3.00 | 1.7960 |
| 3.00 - 4.00 | 0.1432 |

| SB-55 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 3640 |
| 1.00 - 2.00 | 144 |
| 2.00 - 3.00 | 45 |
| 3.00 - 4.00 | 175.9 |
| 4.00 - 5.00 | 47.5 |
| 5.00 - 6.00 | 49.8 |

| SB-65 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 0.1206 |
| 1.00 - 2.00 | ND (0.036) |
| 2.00 - 3.00 | 33.1 |
| 3.00 - 4.00 | 34.7 |
| 4.00 - 5.00 | 177.4 |
| 5.00 - 6.00 | 2500 |

| SB-73 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 53.9 |
| 1.00 - 2.00 | 1.222 |
| 2.00 - 3.00 | ND (0.353) |

| SB-191 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 0.296 |
| 1.00 - 2.00 | 1.832 |
| 2.00 - 3.00 | 1.462 |
| 3.00 - 4.00 | 0.310 |

| SB-158 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 3.16 |
| 1.00 - 2.00 | ND(0.0383) |
| 2.00 - 3.00 | ND(0.0404) |

| SB-193 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 7.06 |
| 1.00 - 2.00 | 1.763 |
| 2.00 - 3.00 | 0.503 |

| SB-141 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 2.068 |
| 1.00 - 2.00 | 0.0412 |
| 2.00 - 3.00 | ND(0.0349) |
| 3.00 - 4.00 | ND(0.0412) |

| SB-140 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 11.65 |
| 1.00 - 2.00 | 1.988 |
| 2.00 - 3.00 | ND(0.0346) |
| 3.00 - 4.00 | ND(0.035) |

| SB-41 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 1.29 |
| 1.00 - 2.00 | 0.05 |
| 2.00 - 3.00 | ND(0.0357) |

| VS-41 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 6.00 - 7.00 | 2.81 |

| SB-42 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 5.98 |
| 1.00 - 2.00 | 0.04 |
| 2.00 - 3.00 | 0.15 |

| SB-85 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 130.3 |
| 1.00 - 2.00 | 99.4 |
| 2.00 - 3.00 | 1.001 |
| 3.00 - 4.00 | 0.898 |

| SB-89 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 49.7 |
| 1.00 - 2.00 | 132.7 |
| 2.00 - 3.00 | 47.8 |
| 3.00 - 4.00 | 0.328 |

| SB-109 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 43.2 |
| 1.00 - 2.00 | 1.33 |
| 1.00 - 2.00 (Dup) | 0.942 |

| SB-40 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 341 |
| 1.00 - 2.00 | 69.60 |
| 2.00 - 3.00 | 3.43 |
| 3.00 - 4.00 | 6.25 |

| SB-48 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 84.30 |
| 1.00 - 2.00 | 5.09 |
| 2.00 - 3.00 | 0.1375 |
| 3.00 - 4.00 | ND(0.0345) |

| VS-40 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 6.00 - 7.00 | 2.51 |
| 6.00 - 7.00(DUP) | 28.1 |
| 7.00 - 8.00 | ND(0.0384) |
| 8.00 - 9.00 | ND(0.0374) |

| SB-40A | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 1.00 - 2.00 | 65.4 |
| 2.00 - 3.00 | 3.843 |

| VS-36 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 5.00 - 6.00 | 46.1 |
| 6.00 - 7.00 | 0.657 |

| SB-47 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 2700 |
| 1.00 - 2.00 | 1910 |
| 2.00 - 3.00 | 5.214 |

| SB-110 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 14.06 |
| 1.00 - 2.00 | 0.414 |

| SB-51 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 11.21 |
| 1.00 - 2.00 | 0.52 |
| 2.00 - 3.00 | 0.19 |

| SB-26 (Auger) | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 2.00 | 30.20 |
| SB-26A (Boring) Depth Range | Total PCBs (mg/kg) |
| 0.00 - 1.00 | 170 |
| 1.00 - 2.00 | 61.8 |
| 2.00 - 3.00 | 0.304 |
| 3.00 - 4.00 | 0.1456 |

| SB-99 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 94.3 |
| 1.00 - 2.00 | 11.66 |
| 2.00 - 3.00 | 3.137 |

| SB-34 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 3600 B |
| 1.00 - 2.00 | 10780 B |
| 4.00 - 5.00 | 0.0669 |
| 5.00 - 6.00 | 0.2112 |

| SB-35 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 3350 B |
| 1.00 - 2.00 | 5260 B |
| 2.00 - 3.00 | 11180 B |
| 3.00 - 4.00 | 6990 B |
| 4.00 - 5.00 | 3490 B |
| 5.00 - 6.00 | 12.96 B |

| VS-41 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 6.00 - 7.00 | 2.81 |

| SB-58 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 267.6 |
| 1.00 - 2.00 | 3.54 |
| 2.00 - 3.00 | ND (0.0344) |

| SB-64 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 67.30 |
| 1.00 - 2.00 | 9.01 |
| 2.00 - 3.00 | 2.425 |

| SB-157 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 13.15 |
| 1.00 - 2.00 | 8.69 |
| 2.00 - 3.00 | 6.90 |
| 3.00 - 4.00 | ND(0.354) |
| 4.00 - 5.00 | ND(0.0348) |
| 5.00 - 6.00 | ND(0.035) |
| 6.00 - 7.00 | ND(0.0362) |
| 7.00 - 8.00 | ND(0.308) |
| 8.00 - 9.00 | 0.2599 |
| 9.00 - 10.00 | 0.1648 |
| 10.00 - 11.00 | 0.2262 |
| 11.00 - 12.00 | ND(0.0412) |

| SB-184 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 1.146 |
| 1.00 - 2.00 | 0.586 |
| 1.00 - 2.00(DUP) | 0.868 |
| 2.00 - 3.00 | 0.586 |
| SB-184(A) Depth Range | Total PCBs (mg/kg) |
| 0.00 - 1.00 | 0.868 |

| SB-125 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 4.46 |
| 1.00 - 2.00 | ND(0.0336) |

| SB-45 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 7.54 |
| 1.00 - 2.00 | 0.10 |
| 2.00 - 3.00 | ND(0.0342) |

| SB-45A | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00" - 3.00" | 40.4 |
| 3.00" - 6.00" | 11.48 |
| 6.00" - 9.00" | 1.067 |
| 9.00" - 12.00" | 0.678 |

| SB-225 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 0.759 |
| 1.00 - 2.00 | 1.035 |
| 2.00 - 3.00 | 0.734 |
| 3.00 - 4.00 | ND(0.0345) |
| 4.00 - 5.00 | 0.1958 |
| 5.00 - 6.00 | 3.16 |
| 6.00 -7.00 | ND(0.0364) |
| 7.00 - 8.00 | ND(0.0347) |

| SB-138 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 0.1907 |
| 1.00 - 2.00 | ND(0.0348) |
| 2.00 - 3.00 | 24.07 |
| 3.00 - 4.00 | 0.1376 |

| SB-44 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 4.60 |
| 1.00 - 2.00 | 1.55 |
| 2.00 - 3.00 | ND(0.0395) |

| SB-126 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 2.261 |
| 1.00 - 2.00 | 1.247 |

| SB-46 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 5.29 |
| 1.00 - 2.00 | 0.33 |
| 2.00 - 3.00 | 0.19 |

| SB-169 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 0.046 |
| 1.00 - 2.00 | ND(0.0341) |
| 2.00 - 3.00 | ND(0.0342) |
| 3.00 - 4.00 | 3.040 |

| SB-139 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 1.029 |
| 1.00 - 2.00 | ND(0.189) |
| 1.00 - 2.00(DUP) | ND(0.176) |
| 2.00 - 3.00 | ND(0.0356) |
| 3.00 - 4.00 | 0.1094 |

| SB-171 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 12.96 |
| 1.00 - 2.00 | 66.6 |
| 2.00 - 3.00 | 80.1 |
| 3.00 - 4.00 | 118.2 |

| SB-211 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 10.39 |
| 1.00 - 2.00 | ND(0.0383) |
| 2.00 - 3.00 | ND(0.0418) |
| 3.00 - 4.00 | ND(0.0442) |
| 4.00 - 5.00 | ND(0.0341) |
| 5.00 - 6.00 | 3.24 |
| 6.00 - 7.00 | ND(0.0372) |
| 7.00 - 8.00 | ND(0.0345) |

| SB-213 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 88.3 |
| 1.00 - 2.00 | 79.4 |
| 2.00 - 3.00 | 63.6 |
| 3.00 - 4.00 | 3.65 |
| 3.00 - 4.00(DUP) | ND(0.037) |
| 4.00 - 5.00 | ND(0.0368) |
| 5.00 - 6.00 | 87.7 |
| 6.00 - 7.00 | 66.8 |
| 7.00 - 8.00 | ND(0.0344) |

| SB-224 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 94.7 |
| 1.00 - 2.00 | 49.74 |
| 2.00 - 3.00 | 2.128 |
| 3.00 - 4.00 | 0.0441 |
| 4.00 - 5.00 | ND(0.0387) |
| 5.00 - 6.00 | 0.966 |
| 6.00 - 7.00(DUP) | ND(0.0398) |

| SB-210 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 55.6 |
| 1.00 - 2.00 | 241 |
| 2.00 - 3.00 | 106 |
| 3.00 - 4.00 | 0.114 |
| 4.00 - 5.00 | 22.1 |
| 5.00 - 6.00 | 66.5 |
| 6.00 - 7.00 | 47.2 |
| 7.00 - 8.00 | ND(0.0376) |

| SB-221 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 4.36 |
| 1.00 - 2.00 | 1.34 |
| 2.00 - 3.00 | ND(0.0349) |
| 3.00 - 4.00 | ND(0.0342) |
| 4.00 - 5.00 | ND(0.035) |
| 5.00 - 6.00 | 0.1149 |

| SB-222 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 19.4 |
| 1.00 - 2.00 | 586 |
| 2.00 - 3.00 | 1.215 |
| 3.00 - 4.00 | ND(0.0361) |
| 4.00 - 5.00 | ND(0.0421) |
| 5.00 - 6.00 | 2.31 |
| 6.00 - 7.00 | ND(0.0359) |
| 7.00 - 8.00 | ND(0.0401) |

| SB-207 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 9.82 |
| 1.00 - 2.00 | 27.9 |
| 2.00 - 3.00 | 4.01 |
| 3.00 - 4.00 | 636 |
| 4.00 - 5.00 | 0.0437 |
| 5.00 - 6.00 | 165 |
| 6.00 - 7.00 | 0.387 |
| 7.00 - 8.00 | ND(0.0344) |

| SB-223 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 72.9 |
| 1.00 - 2.00 | 123 |
| 2.00 - 3.00 | 431 |
| 3.00 - 4.00 | 80 |
| 4.00 - 5.00 | ND(0.0353) |
| 4.00 - 5.00(DUP) | 44.3 |
| 5.00 - 6.00 | 0.488 |
| 6.00 - 7.00 | 0.194 |
| 7.00 - 8.00 | ND(0.0344) |

| SB-208 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 2.293 |
| 1.00 - 2.00 | 114 |
| 2.00 - 3.00 | 254.8 |
| 3.00 - 4.00 | 36.37 |
| 4.00 - 5.00 | 13.34 |
| 5.00 - 6.00 | 171 |
| 6.00 - 7.00 | 1.94 |
| 7.00 - 8.00 | ND(0.0346) |

| SB-209 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 7.25 |
| 1.00 - 2.00 | 959 |
| 1.00 - 2.00 (DUP) | 508 |
| 2.00 - 3.00 | 84.9 |
| 3.00 - 4.00 | 2.008 |
| 4.00 - 5.00 | 0.0363 |
| 5.00 - 6.00 | 20.41 |
| 6.00 - 7.00 | ND(0.0451) |
| 7.00 - 8.00 | ND(0.0362) |

| SB-206 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 5.22 |
| 1.00 - 2.00 | 32.5 |
| 2.00 - 3.00 | 611 |
| 3.00 - 4.00 | 91.5 |
| 4.00 - 5.00 | 0.3272 |
| 5.00 - 6.00 | 32 |
| 6.00 - 7.00 | 0.379 |
| 7.00 - 8.00 | ND(0.0359) |

| SB-143 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 39.4 |
| 1.00 - 2.00 | 660 |
| 2.00 - 3.00 | 2.56 |
| 3.00 - 4.00 | 24.46 |

| SB-143A | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 4.00 - 5.00 | 16.07 |
| 5.00 - 6.00 | 1.93 |
| 6.00 - 7.00 | ND(0.034) |
| 7.00 - 8.00 | ND(0.0326) |

| SB-144 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 0.529 |
| 1.00 - 2.00 | 0.980 |
| 2.00 - 3.00 | 7.05 |
| 3.00 - 4.00 | 0.0492 |

| SB-142 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 5.07 |
| 1.00 - 2.00 | 26.3 |
| 2.00 - 3.00 | 0.1902 |
| 3.00 - 4.00 | ND(0.3) |

| SB-172 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 0.388 |
| 1.00 - 2.00 | 3.030 |
| 1.00 - 2.00(DUP) | 4.63 |
| 2.00 - 3.00 | 4.40 |
| 4.00 - 5.00 | 8.12 |
| 5.00 - 6.00 | 1.062 |

| SB-81 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00" - 3.00" | 8.15 |
| 0.00 - 1.00 | 1.987 |
| 1.00 - 2.00 | 7.88 |

| SB-173 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 0.7262 |
| 1.00 - 2.00 | 8.06 |
| 2.00 - 3.00 | 21.19 |
| 3.00 - 4.00 | 21.43 |
| 4.00 - 5.00 | 0.92 |
| 5.00 - 6.00 | ND(0.0449) |

| SB-174 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 1.059 |
| 1.00 - 2.00 | 8.35 |
| 2.00 - 3.00 | ND(0.0334) |
| 3.00 - 4.00 | 0.8501 |

| SB-146 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 0.3746 |
| 1.00 - 2.00 | 1.091 |
| 2.00 - 3.00 | 2.61 |
| 3.00 - 4.00 | 12.29 |

| SB-145 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 3.94 |
| 1.00 - 2.00 | 1.310 |
| 2.00 - 3.00 | 44.6 |
| 3.00 - 4.00 | 0.1745 |

| SB-121 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 1.863 |
| 1.00 - 2.00 | ND(0.0357) |

| SB-96 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 23.7 |
| 1.00 - 2.00 | 6.51 |
| 2.00 - 3.00 | ND(0.0381) |
| 3.00 - 4.00 | ND(0.0362) |

| SB-86 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 88.8 |
| 1.00 - 2.00 | 2.78 |
| 2.00 - 3.00 | ND(0.0348) |

| SB-87 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 32.4 |
| 1.00 - 2.00 | 12.65 |
| 1.00 - 2.00 (Dup) | 4.43 |
| 2.00 - 3.00 | 0.868 |
| 3.00 - 4.00 | ND(0.036) |

| SB-175 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 2.67 |
| 1.00 - 2.00 | 1.244 |
| 2.00 - 3.00 | 10.1 |
| 3.00 - 4.00 | 0.572 |

| SB-177 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 0.986 |
| 1.00 - 2.00 | 2.44 |
| 2.00 - 3.00 | 1.540 |
| 3.00 - 4.00 | 0.622 |

| SB-176 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 0.039 |
| 1.00 - 2.00 | 2.94 |
| 2.00 - 3.00 | 12.19 |
| 2.00 - 3.00(DUP) | 11.76 |
| 3.00 - 4.00 | 5.15 |
| 4.00 - 5.00 | 0.0462 |
| 5.00 - 6.00 | ND(0.0347) |
| 6.00 - 7.00 | ND(0.0329) |
| 7.00 - 8.00 | ND(0.0336) |

| SB-90 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 9.03 |
| 1.00 - 2.00 | ND(0.0373) |

| SB-91 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 18.23 |
| 1.00 - 2.00 | 3.44 |

| SB-95 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 8.68 |
| 1.00 - 2.00 | 8.38 |
| 2.00 - 3.00 | ND(0.034) |

| SB-39 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 324 |
| 1.00 - 2.00 | 25.69 |
| 2.00 - 3.00 | 0.635 B |
| 3.00 - 4.00 | 0.14 |

| VS-39 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 6.00-7.00 | 29.9 |
| 7.00-8.00 | 1.8 |
| 8.00-9.00 | 0.45 |
| 9.00-10.00 | 1.15 |
| 9.00-10.00(DUP) | 1.06 |

| SB-133 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 13.55 |
| 1.00 - 2.00 | 1.786 |

| SB-100 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 53.2 |
| 1.00 - 2.00 | 3.11 |

| SB-97 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 1.056 |

| SB-98 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 15.76 |
| 1.00 - 2.00 | 1.082 |
| 2.00 - 3.00 | ND(0.0388) |

| SB-52 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 42.4 |
| 1.00 - 2.00 | 2.239 |
| 2.00 - 3.00 | 3.89 |

| SB-52A | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00" - 3.00" | 17.18 |
| 3.00" - 6.00" | 182.7 |
| 6.00" - 9.00" | 30.3 |
| 9.00" - 12.00" | 9.2 |

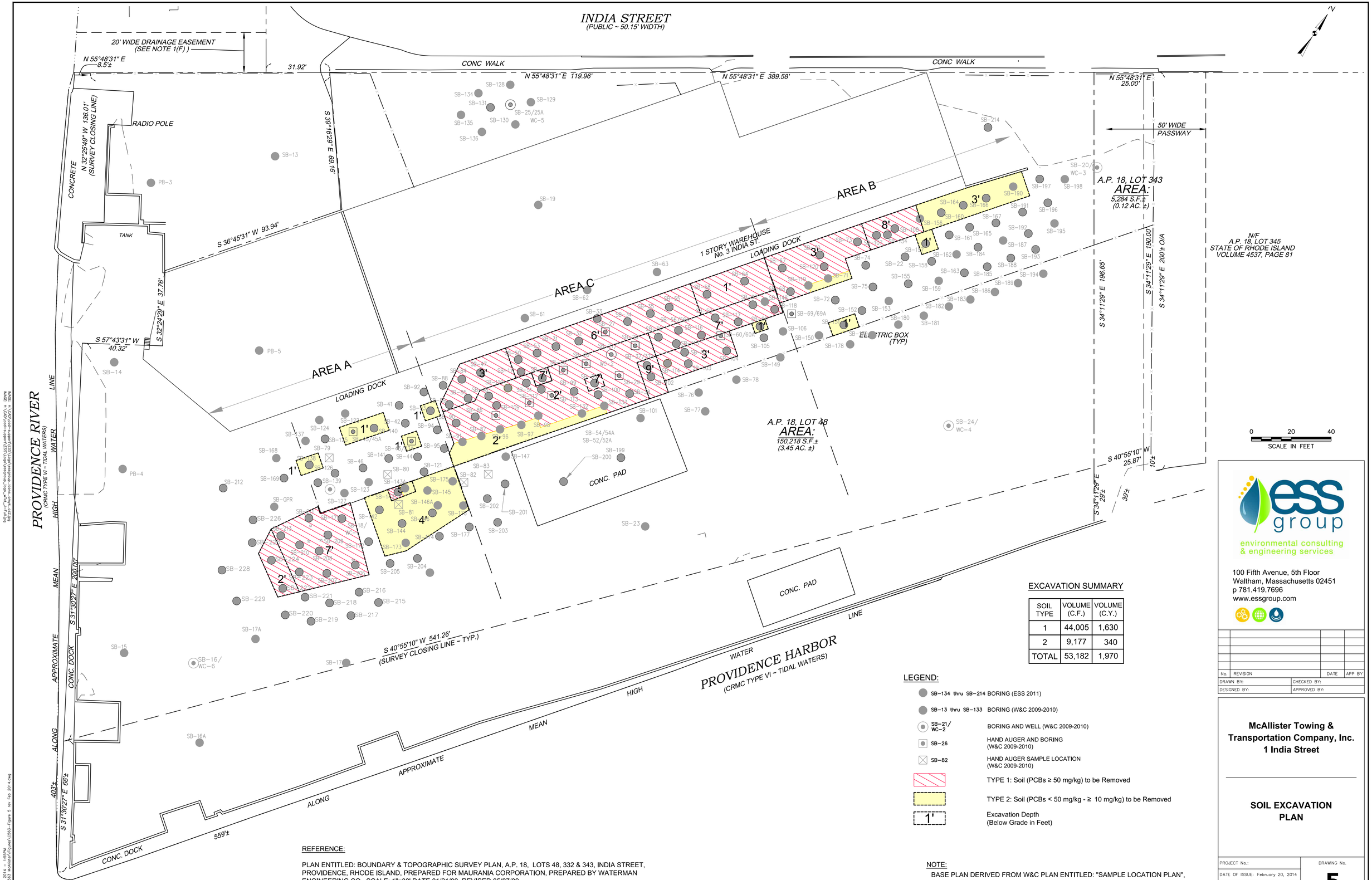
| SB-49 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 33.4 |
| 1.00 - 2.00 | 1.32 |
| 2.00 - 3.00 | 0.478 |
| 3.00 - 4.00 | ND(0.0352) |

| SB-49A | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00" - 3.00" | 78.5 |
| 3.00" - 6.00" | 62.7 |
| 3.00" - 6.00" (Dup) | 109 |
| 6.00" - 9.00" | 33.4 |
| 9.00" - 12.00" | 1.673 |

| SB-29 (Auger) | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 2.00 | 84.40 |
| SB-29A (Boring) Depth Range | Total PCBs (mg/kg) |
| 0.00 - 1.00 | 207.2 |
| 0.00 - 1.00(DUP) | 167 |
| 1.00 - 2.00 | 12.70 J |
| 1.00 - 2.00(DUP) | 37.70 J |
| 2.00 - 3.00 | 2.582 B |
| 2.00 - 3.00(DUP) | 2.37 |
| 3.00 - 4.00 | 1.07 |
| 3.00 - 4.00(DUP) | 0.733 |
| 4.00 - 5.00 | 0.0778 |
| 4.00 - 5.00(DUP) | 0.0512 |
| 5.00 - 6.00 | ND (0.0468) |
| 5.00 - 6.00(DUP) | ND(0.329) |

| SB-132 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 - 1.00 | 19.25 |
| 1.00 - 2.00 | 15.84 |
| 2.00 - 3.00 | 1.762 |

| SB-113 | Total PCBs (mg/kg) |
|---|---|
| Depth Range | |
| 0.00 




## EXCAVATION SUMMARY

| SOIL TYPE | VOLUME (C.F.) | VOLUME (C.Y.) |
|---|---|---|
| 1 | 44,005 | 1,630 |
| 2 | 9,177 | 340 |
| TOTAL | 53,182 | 1,970 |

## LEGEND:

- SB-134 thru SB-214 — BORING (ESS 2011)
- SB-13 thru SB-133 — BORING (W&C 2009-2010)
- SB-21/WC-2 — BORING AND WELL (W&C 2009-2010)
- SB-26 — HAND AUGER AND BORING (W&C 2009-2010)
- SB-82 — HAND AUGER SAMPLE LOCATION (W&C 2009-2010)
- TYPE 1: Soil (PCBs ≥ 50 mg/kg) to be Removed
- TYPE 2: Soil (PCBs < 50 mg/kg - ≥ 10 mg/kg) to be Removed
- 1' — Excavation Depth (Below Grade in Feet)

REFERENCE:

PLAN ENTITLED: BOUNDARY & TOPOGRAPHIC SURVEY PLAN, A.P. 18, LOTS 48, 332 & 343, INDIA STREET, PROVIDENCE, RHODE ISLAND, PREPARED FOR MAURANIA CORPORATION, PREPARED BY WATERMAN ENGINEERING CO., SCALE: 1"=30' DATE 01/21/09, REVISED 05/07/09.

NOTE:

BASE PLAN DERIVED FROM W&C PLAN ENTITLED: "SAMPLE LOCATION PLAN", DATED FEB. 2010.

ess group
environmental consulting & engineering services
100 Fifth Avenue, 5th Floor
Waltham, Massachusetts 02451
p 781.419.7696
www.essgroup.com

| No. | REVISION | DATE | APP BY |
|---|---|---|---|
| | | | |

| | |
|---|---|
| DRAWN BY: | CHECKED BY: |
| DESIGNED BY: | APPROVED BY: |

**McAllister Towing & Transportation Company, Inc.**
**1 India Street**

**SOIL EXCAVATION PLAN**

| | |
|---|---|
| PROJECT No.: | DRAWING No. 5 |
| DATE OF ISSUE: February 20, 2014 | |
| SHEET No.: | |
| SCALE: | |

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DATE: Feb 20, 2014 - 1:56PM
FILENAME: H:\CAD\563 McAllister\Figures\CS63-Figure 5 rev Feb 2014.dwg
IMAGE: H:\CAD\use-mapinput\USS\Logo\ess.wmf
IMAGE: H:\CAD\use-mapinput\USS\Logo\ess.wmf

S 39°16'29" E 69.16'

S 36°45'31" W 93.94'

AREA A

AREA B

AREA C

LOADING DOCK

1 STORY WAREHOUSE
No. 3 INDIA ST.

LOADING DOCK

ELECTRIC BOX
(TYP)

A.P. 18, LOT 343
AREA:
5,284 S.F.±
(0.12 AC. ±)

50' I
PAS

S 34°11'29" E 196.65'

S 34°11'29" E 190.00'

S 34°11'29" E 200± O/A

A.P. 18, LOT 48
AREA:
150,218 S.F.±
(3.45 AC. ±)

CONC. PAD

CONC. PAD

S 40°55'10" W 541.26'
(SURVEY CLOSING LINE ~ TYP.)

APPROXIMATE MEAN HIGH WATER LINE

PROVIDENCE HARBOR
(CRMC TYPE VI ~ TIDAL WATERS)

LEGEND:

Symbol Denotes Location Of Proposed Discrete Post-excavation Soil Sample To Be Composited As Described In Section 5.5 Of The Sip. The Individual Discrete Soil Samples Making Up One Composite Confirmatory Sample Are Labeled With The Same Sample Id (e.g., Cs-01).

Soil (PCBs ≥ 50 mg/kg) to be Removed

Soil (PCBs < 50 mg/kg - ≥ 10 mg/kg) to be Removed

0 15 30
SCALE IN FEET

NOTE:

BASE PLAN DERIVED FROM W&C PLAN ENTITLED: "SAMPLE LOCATION PLAN", DATED FEB. 2010.

REFERENCE:

PLAN ENTITLED: BOUNDARY & TOPOGRAPHIC SURVEY PLAN, A.P. 18, LOTS 48, 332 & 343, INDIA STREET, PROVIDENCE, RHODE ISLAND, PREPARED FOR MAURANIA CORPORATION, PREPARED BY WATERMAN ENGINEERING CO., SCALE: 1"=30' DATE 01/21/09, REVISED 05/07/09.

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environmental consulting & engineering services

100 Fifth Avenue, 5th Floor
Waltham, Massachusetts 02451
p 781.419.7696
www.essgroup.com

| No. | REVISION | DATE | APP BY |
|---|---|---|---|
| | | | |

| | |
|---|---|
| DRAWN BY: | CHECKED BY: |
| DESIGNED BY: | APPROVED BY: |

**One India Street, LLC**
**1 India Street**
**Providence, RI 02903**

# VERIFICATION SAMPLING PLAN

| | |
|---|---|
| PROJECT No.: | DRAWING No. 6 |
| DATE OF ISSUE: February 20, 2014 | |
| SHEET No.: | |
| SCALE: | |

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DATE: Feb 20, 2014 - 1:57PM
C:\Data - ACAD\Active Projects\C563-Figure 6 rev Feb 2014.dwg

INDIA STREET
(PUBLIC ~ 50.15' WIDTH)

BUILDING

20' WIDE DRAINAGE EASEMENT
(SEE NOTE 1(F) )

N 55°48'31" E 8.5'±

31.92'

CONC WALK

N 55°48'31" E 119.96'

N 55°48'31" E 389.58'

CONC WALK

N 55°48'31" E 25.00'

50' WIDE PASSWAY

RADIO POLE

CONCRETE

N 32°25'49" W 136.01'
(SURVEY CLOSING LINE)

S 39°16'29" E 69.16'

TANK

S 36°45'31" W 93.94'

S 32°24'29" E 37.76'

S 57°43'31" W 40.32'

1 STORY WAREHOUSE
No. 3 INDIA ST.

LOADING DOCK

LOADING DOCK

ELECTRIC BOX (TYP)

A.P. 18, LOT 343
AREA:
5,284 S.F.±
(0.12 AC.±)

N/F
A.P. 18, LOT 345
STATE OF RHODE ISLAND
VOLUME 4537, PAGE 81

S 34°11'29" E 196.65'

S 34°11'29" E 190.00'

S 34°11'29" E 200'± O/A

S 40°55'10" W 25.87'

10'±

S 34°11'29" E 29'±

39'±

A.P. 18, LOT 48
AREA:
150,218 S.F.±
(3.45 AC. ±)

CONC. PAD

CONC. PAD

WATER LINE

HIGH

MEAN

APPROXIMATE

CONC. DOCK

S 31°30'27" E 200'±

ALONG

403'±

S 31°30'27" E 66'±

CONC. DOCK

559'±

APPROXIMATE

ALONG

MEAN

HIGH

WATER LINE

S 40°55'10" W 541.26'
(SURVEY CLOSING LINE ~ TYP.)

PROVIDENCE HARBOR
(CRMC TYPE VI ~ TIDAL WATERS)

SB-128 SB-134 SB-131 SB-129 SB-25/25A WC-5 SB-130 SB-135 SB-136

SB-13 PB-3 SB-19 SB-214 SB-20/WC-3 SB-198 SB-197 SB-190 SB-166 SB-164 SB-191 SB-196 SB-160 SB-156 SB-167 SB-192 SB-108 SB-154 SB-195 SB-165 SB-161 SB-187 SB-157 SB-162 SB-184 SB-193 SB-107 SB-73 SB-74 SB-22 SB-158 SB-188 SB-63 SB-67 SB-70 SB-120 SB-64 SB-119 SB-71 SB-155 SB-163 SB-185 SB-194 SB-62 SB-58 SB-68 SB-75 SB-159 SB-189 SB-148 SB-72 SB-183 SB-186 SB-61 SB-33 SB-34 SB-35 SB-55 SB-65 SB-118 SB-152 SB-153 SB-182 SB-69/69A SB-59 SB-117 SB-66 SB-180 SB-181 SB-27 SB-56/56A SB-151 SB-36 SB-116 SB-60/60A SB-106 SB-179 SB-32 SB-28 SB-150 SB-21/ SB-37/37A SB-115 SB-105 SB-178 SB-31 SB-57 SB-104 SB-53 SB-26 WC-2 SB-103 SB-149 SB-50 SB-30 SB-114 SB-78 SB-84 SB-47 SB-111 SB-40 SB-39 SB-29 SB-102 SB-76 SB-88 SB-110 SB-51 SB-99 SB-38 SB-92 SB-112 SB-100 SB-77 SB-85 SB-48 SB-113 SB-133 SB-89 SB-109 SB-132 SB-101 SB-86 SB-93 SB-98 SB-41 SB-90 SB-87 SB-122 SB-42 SB-94 SB-96 SB-97 SB-124 SB-140 SB-91 SB-54/54A SB-137 SB-125 SB-45/45A SB-95 SB-52/52A SB-147 SB-43/43A SB-79 SB-168 SB-141 SB-44 SB-199 SB-138 SB-46 SB-121 SB-200 SB-126 SB-80 SB-83 SB-169 SB-139 SB-175 SB-82 SB-143A SB-123 SB-145 SB-143 SB-146A SB-127 SB-202 SB-CPR SB-81 SB-176 SB-201 SB-211 SB-171 SB-142 SB-146 SB-226 SB-18/ WC-1 SB-203 SB-213 SB-144 SB-174 SB-177 SB-225 SB-209 SB-172 SB-210 SB-173 SB-224 SB-208 SB-204 SB-205 SB-228 SB-206 SB-207 SB-223 SB-222 SB-216 SB-212 PB-4 SB-221 SB-229 SB-218 SB-215 SB-220 SB-219 SB-217 SB-17A SB-15 SB-16/ WC-6 SB-17 SB-16A SB-14 PB-5 SB-23 SB-24/ WC-4

0 20 40
SCALE IN FEET

LEGEND:

TOTAL PCB

- ≥ 50 mg/kg
- ≥ 25 mg/kg < 50 mg/kg
- ≥ 10 mg/kg < 25 mg/kg
- ≥ 1 mg/kg < 10 mg/kg
- < 1 mg/kg
- No Soil Samples Analyzed
- LIMITS OF CAP

- SB-134 thru SB-214 BORING (ESS 2011)
- SB-13 thru SB-133 BORING (W&C 2009-2010)
- SB-21/ WC-2 BORING AND WELL (W&C 2009-2010)
- SB-26 HAND AUGER AND BORING (W&C 2009-2010)
- SB-82 HAND AUGER SAMPLE LOCATION (W&C 2009-2010)

PROPOSED GRADE
6"
VARIES
ASPHALT OVERLAY COURSE (CLASS 1-1 BITUMINOUS CONCRETE)
CLEAN FILL
CAP (PURSUANT TO - 40 CFR 761.61(a)(7))
PCB <10 mg/kg

CAP DETAIL
NOT TO SCALE

REFERENCE:

PLAN ENTITLED: BOUNDARY & TOPOGRAPHIC SURVEY PLAN, A.P. 18, LOTS 48, 332 & 343, INDIA STREET, PROVIDENCE, RHODE ISLAND, PREPARED FOR MAURANIA CORPORATION, PREPARED BY WATERMAN ENGINEERING CO., SCALE: 1"=30' DATE 01/21/09, REVISED 05/07/09.

NOTE:

BASE PLAN DERIVED FROM W&C PLAN ENTITLED: "SAMPLE LOCATION PLAN", DATED FEB. 2010.

ess group
environmental consulting & engineering services

100 Fifth Avenue, 5th Floor
Waltham, Massachusetts 02451
p 781.419.7696
www.essgroup.com

| No. | REVISION | DATE | APP BY |
|---|---|---|---|
| 1 | REVISED LIMITS OF CAP | 02/21/14 | |

| | |
|---|---|
| DRAWN BY: | CHECKED BY: |
| DESIGNED BY: | APPROVED BY: |

**One India Street, LLC**
**1 India Street**
**Providence, RI 02903**

# CAPPING PLAN

| | |
|---|---|
| PROJECT No.: | DRAWING No. 7 |
| DATE OF ISSUE: September 10, 2013 | |
| SHEET No.: | |
| SCALE: | |

Copyright © ESS Group, Inc. 2013

DATE: Feb 21, 2014 - 3:07PM
FILENAME: N:\Cad\Figures\CS63 Figure 7 rev. SP Feb 2014.dwg

# Appendix A

## Owner's Certification

## Appendix A - Certification

The undersigned owner of the property where the cleanup site is located and the party conducting the cleanup certify that all sampling plans, sampling collection procedures, sample preparation procedures, extraction procedures and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the cleanup Site are on file at the location indicated below and are available for EPA inspection, as set forth below.

Document Location

One India Street, LLC
1 India Street
Providence, Rhode Island

**Property Owner and Party Conducting the Cleanup**

Buckley McAllister
Authorized Signature

9/11/13
Date

Buckley McAllister - Property Owner
Name of Authorized Representative & Title (Print)

# Appendix B

## Soil Boring Log/Well Construction Logs

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
Consultants

401 Wampanoag Trail
Suite 400
East Providence
Rhode Island
02915

p 401.434.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2009
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: PB-1**

Depth to Water (ft): 12.0
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Elevation (ft.) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | PB-1(0-2) | | | 2.0/5.0 | | 0.2 | | 0 | Dry, light gray, ASPHALT, some sandy gravel | | 0 |
| | | | | | | 0.1 | | | Moist, gray w/iron mottles, SILT, some clay, trace sand | | |
| | | | | | | | | | Dry, brown, SAND, some gravel, come coarse sand, trace fine gravel | | |
| 5 | | | | 2.5/5.0 | | 0.1 | | -5 | | | 5 |
| | | | | | | 0.7 | | | Dry, brown, COARSE SAND, trave fine gravel | | |
| | | | | | | | | | Dry, black, COAL | | |
| | | | | | | 0.3 | | | Dry, brown, MEDIUM SAND, some coarse sand, some fine gravel, trace coarse gravel | | |
| 10 | PB-1 (11.5-12) | | | 3.5/5.0 | | 0.2 | | -10 | Dry, brown, MEDIUM SAND, some fine gravel, some coarse sand, trace coarse gravel | | 10 |
| | | | | | | 0.7 | | | Wet, brown, MEDIUM SAND, some coarse sand, some fine gravel | | |
| 15 | | | | | | | | -15 | | | 15 |

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

PB-1 (0-2) @1100 - TRCRA 8
PB-1 (11.5-12) @1100 - 8260 (High & Low), TPH

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
Consultants

401 Wampanoag Trail
Suite 400
East Providence
Rhode Island
02915

p 401.434.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2009
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: PB-2**

Depth to Water (ft): 7.0
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Recovery/Penetration (ft) | PID (ppm) | Elevation (ft.) | Materials Description | Graphical Log |
|---|---|---|---|---|---|---|
| 0 | PB-2 (0-2) | 3.0/5.0 | | 0 | Dry, black-brown, ASPHALT | |
| | | | 14.5 | | Dry, gray-light brown to black FILL, (Asphalt, Brick, Coal) | |
| | | | 28.5 | | Dry to moist, brown to black, COAL | |
| 5 | | 2.5/5.0 | 28.1 | -5 | Moist, dark brown, SAND, some fine gravel, some coal | |
| | PB-2 (6.5-7) | | 35.3 | | Wet, dark brown, SAND, some fine gravel | |
| | | | 270 | | Wet, light-brown, MEDIUM SAND | |
| 10 | | | | -10 | | |

Screening Data: PID (ppm), FID (ppm)
Rock Quality Designation
Sample Type
Blows per 6 inches or Core Run (time/ft.)
Well Construction

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

PB-2 (0-2) @1020 - TRCRA 8
PB-2 (6.5-7.0) @1020 - 8260 (High & Low), TPH

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
Consultants

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Suite 400
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Rhode Island
02915

p 401.434.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2009
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: PB-3/MW-1**

Depth to Water (ft): 3.0
Well Diameter (inches): 2.0
Well Screen Slot Size: 010
Measuring Point: NM
Measuring Point Elevation: PVC
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Elevation (ft.) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | PB-3(0-2) | | | 1.5/5.0 | | | | 0 | Dry, black-brown, ASPHALT | | 0 |
| | PB-3 (4.5-5) | | | | | 19.7 | | | Dry, dark brown to black, FILL (construction debris and coal) | | |
| 5 | | | | 3.0/5.0 | | | | -5 | Wet, black, COAL<br>Wet, brown, COAL, some crushed shell debris<br>Wet, brown, SAND, some fine gravel | | 5 |
| | | | | | | 37.4 | | | Moist, light-brown, FILL, (cohesive iron-stained wood & silty sand) | | |
| 10 | | | | | | 128 | | -10 | Wet, black COAL, some silty sand | | 10 |
| 15 | | | | | | | | -15 | | | 15 |
| 20 | | | | | | | | -20 | | | 20 |

Well Construction: Riser/Bentonite; PVC Screen; Sand Pack

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

PB-3 (0-2) @0900 - TRCRA 8, PCB's
PB-3 (4.5-5) @0900 - 8260 (High & Low),SVOC's, TPH
No Recovery (10-15)
@0930 - Water level 3.5' below groundsurface via Interface Meter

# BORING AND WELL CONSTRUCTION LOG

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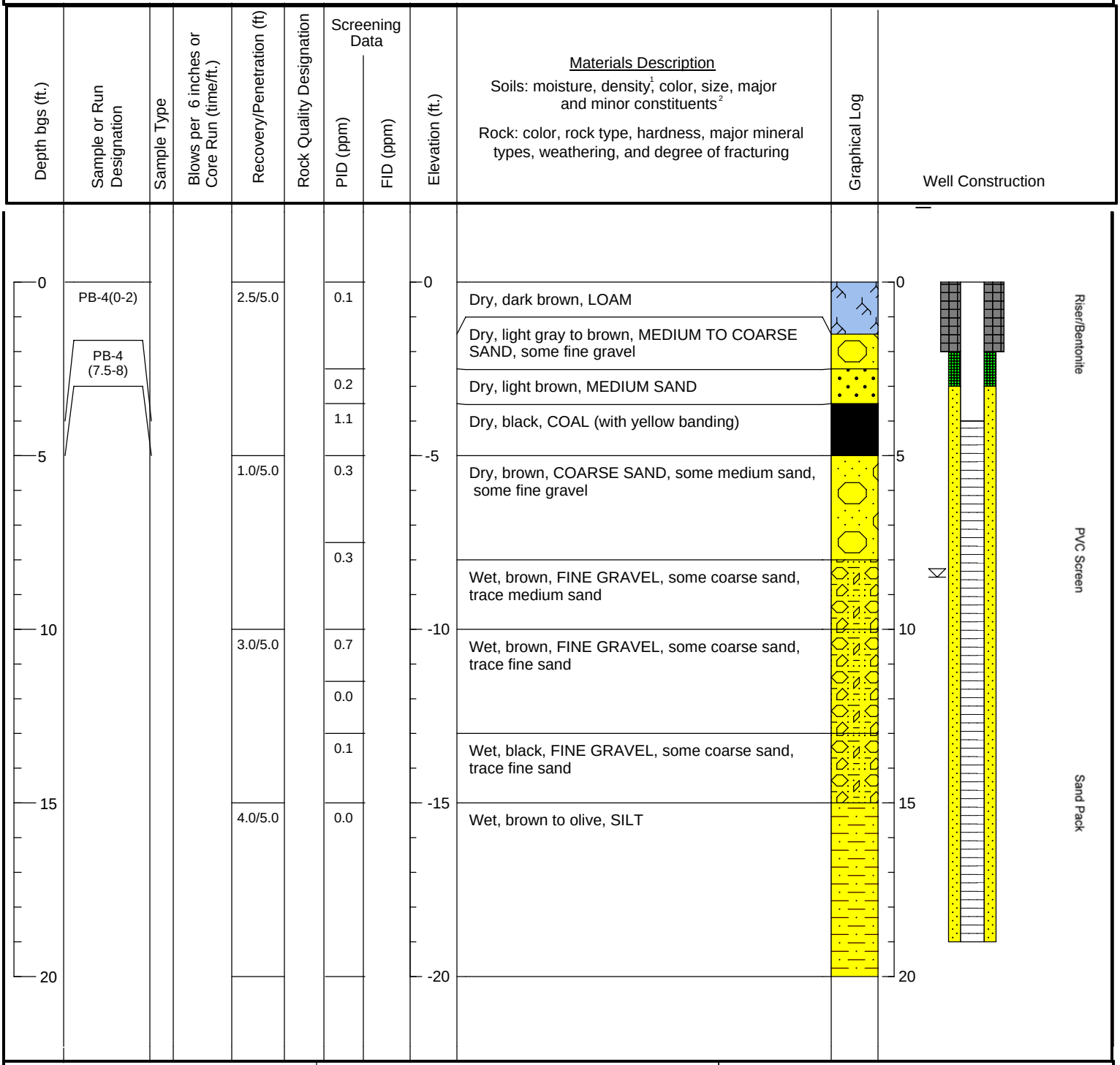
Rhode Island
02915

p 401.434.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2009
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: PB-4/MW-2**

Depth to Water (ft): 8.5
Well Diameter (inches): 2.0
Well Screen Slot Size: 010
Measuring Point: NM
Measuring Point Elevation: PVC
Ground Surface Elevation: NM




**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

PB-4 (0-2) @0130 - TRCRA 8, PCB's
PB-4 (7.5-8) @0130 - 8260 (High & Low),SVOC's, TPH
Two distinct water levels visible in core, 8.5' (inferred high tide), and 13' (inferred low tide)

# BORING AND WELL CONSTRUCTION LOG

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Scientists
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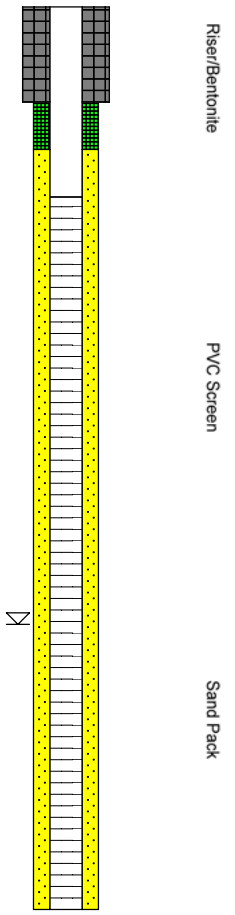
02915

p 401.434.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2009
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

Boring/Well No: **PB-5/MW-3**
Depth to Water (ft): 13.0
Well Diameter (inches): 2.0
Well Screen Slot Size: 010
Measuring Point: NM
Measuring Point Elevation: PVC
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Elevation (ft.) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | PB-5(0-2) | | | 2.5/5.0 | | | | 0 | Dry, ASPHALT over CONCRETE (competent reinforced foundation) | | |
| | | | | | | | | | Dry, light gray to brown-black,SAND, some coarse gravel, some fine gravel (brick, coal and construction debris) | | |
| | | | | | | 0.3 | | | | | |
| 5 | | | | 4.0/5.0 | | 0.2 | | -5 | Dry, black, COAL | | |
| | | | | | | | | | Dry, light gray to brown, COARSE SAND, some fine gravel, trace medium and coarse gravel | | |
| | | | | | | 0.0 | | | Moist, light gray to brown, COARSE SAND, some fine gravel, trace medium and coarse gravel | | |
| 10 | | | | 3.5/5.0 | | 0.0 | | -10 | Dry, light brown to brown, MEDIUM TO COARSE SAND, some fine gravel, trace silt | | |
| | PB-5 (12.5-13) | | | | | | | | | | |
| | | | | | | 0.0 | | | Moist, light brown, MEDIUM TO COARSE SAND,some fine gravel, trace silt | | |
| 15 | | | | 2.5/5.0 | | | | -15 | Wet, gray to light brown, COARSE SAND, some medium sand trace silt | | |
| | | | | | | 0.0 | | | | | |
| 20 | | | | | | | | -20 | | | |




**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

PB-5 (0-2) @1240 - TRCRA 8, PCB's
PB-5 (12.5-13.0) @1240 - 8260 (High & Low),SVOC's, TPH
Two distinct water levels visible in core, 8' (inferred high tide), and 13' (inferred low tide)
Water level @ 13.0' below ground surface confirmed with Interface Probe.

woodardcurran.com
COMMITMENT & INTEGRITY DRIVE RESULTS
WOODARD &CURRAN 95 Cedar Street, Suite 100
Providence, Rhode Island

SB-1

Boring No.

START DATE: 8/11/09
CONTRACTORS:
DRILLER: ~~M. Eagle~~ New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: direct push geoprobe
SAMPLING METHOD: cont. acetate liner
BORING DEPTH (bgs): 5'
G.WATER DEPTH (bgs): 5'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 0.4 | | 25/60 | | Dry, black asphalt |
| | | | 0.8 | Dry, black, fine to medium sand and coal/ash slag, little coarse to fine gravel, wet at 5' |
| 5 | | | | |

Samples collected at 11:30
SB-1(0'-2'); SB-1(2'-4'); SB-1(4'-5') for Lead

Advanced two borings due to recovery of first, logged 2nd boring; Asphalt wasn't added to samples

C:\Documents and Settings\grose\Desktop\Field Forms & Data Templates\Boring logs.xls\B-12

woodardcurran.com
COMMITMENT & INTEGRITY DRIVE RESULTS
WOODARD &CURRAN
95 Cedar Street, Suite 100
Providence, Rhode Island

SB-2

Boring No.

START DATE: 8/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: direct push geoprobe
SAMPLING METHOD:
BORING DEPTH (bgs): 5'
G.WATER DEPTH (bgs): 5'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 0.4 | | 26/60 | | Dry, black asphalt |
| | | | ND | Dry, black to brown, fine to medium sand, little fine gravel, some ash/coal slag |
| 3.5 | | | | |
| 5 | | | 0.3 | Dry, brown to black, medium to coarse sand, little coarse gravel; wet at 5' |

SB-2 (0-2'); SB-3 (2'-3.5'); SB-3 (3.5'-5') for Lead
Sample time 11:00; asphalt not included in sample

woodardcurran.com
COMMITMENT & INTEGRITY DRIVE RESULTS
WOODARD &CURRAN
95 Cedar Street, Suite 100
Providence, Rhode Island

SB-3

Boring No.

START DATE: 8/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: direct push geoprobe
SAMPLING METHOD: cont acetate liner
BORING DEPTH (bgs): 5'
G.WATER DEPTH (bgs): 5'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 0.4 | | 23/60 | | Dry, black, asphalt |
| 3.5 | | | 0.3 | Dry, brown to black, fine sand, some coal/ash slag and brick |
| 5 | | | 0.3 | Dry, brown, fine to medium sand, little coarse gravel, trace cobbles wet at 5'; some glass |

Samples collected at 10:35 for lead
SB-3 (0'-2'); SB-3 (2-3.5'); SB (3.5'-5')
asphalt not included in sample

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SB-4

Boring No.

START DATE: 8/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: direct push geoprobe
SAMPLING METHOD: cont. acetate liner
BORING DEPTH (bgs): 5'
G.WATER DEPTH (bgs): 5'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 0.4 | | 19/60 | | Dry, black, asphalt |
| | | | ND | Dry, black to brown, fine to medium sand and coal/ash slag |
| 5 | | | | wet at 5' |

Sampled at 14:00
SB-4 (0'-2'); SB-4 (2'-4'), SB-4 (4-5')
asphalt not ~~cook~~ included in sample

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# SB-5

Boring No.

START DATE: 8/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geoprobe direct push
SAMPLING METHOD: cont acetate liner
BORING DEPTH (bgs): 5'
G.WATER DEPTH (bgs): 5'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | Dry, black, asphalt |
| 0.4 | | 26/60 | ND | Dry, brown to black, fine to medium sand and coal/ash slag, little coarse to fine gravel |
| 4 | | | ND | wet, medium to coarse sand and ~~fine~~ fine to coarse gravel |
| 5 | | | | |

SB-5 (0'-2'); SB-5 (2'-4'); SB-5 (4'-5')
for Lead @ 13:30
asphalt not included in sample

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SB-6

Boring No.

START DATE: 8/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geoprobe direct push
SAMPLING METHOD: Cont. acetate liner
BORING DEPTH (bgs): 5'
G.WATER DEPTH (bgs): 5'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 0.4 | | 19/20 | | Dry, black, asphalt |
| 5' | | | ND | Dry, brown to black, fine to medium, and coal/ash slag<br>wet at 5' |

Sampled at 1500
SB-6 (0'-2'), SB-6 (2'-4'), SB-6 (4'-5')
for Pb; asphalt not included in samples

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SB-7

Boring No.

START DATE: 8/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geoprobe direct push
SAMPLING METHOD: 4ft acetate liner
BORING DEPTH (bgs): 5'
G.WATER DEPTH (bgs): 5'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 0.4 | | 19/60 | | Dry, black, asphalt |
| | | | ND | Dry, brown to black, fine to medium sand and coal/ash slag; wet at 5' |
| 5' | | | | |

Samples collected at 16:00
SB-7(0'-2') SB-7(2'-4) SB-7(4'-5') for Pb
asphalt not included in sample

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# SB-8

Boring No.

START DATE: 8/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: Geoprobe direct push
SAMPLING METHOD: Acetate liner
BORING DEPTH (bgs): 8'
G.WATER DEPTH (bgs): ~~@~~ 7'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 0.4 | | 26/60 | | Dry, black, asphalt |
| 4' | | | ND | Dry, black to brown, fine to medium sand and coal/ash slag, little coarse to fine gravel |
| 5 | | 12/60 | ND | Wet to saturated, brown, coarse to fine gravel, little fine to medium sand; poor recovery, no real re-drive or cave-in; |
| 8' | | | | |

Samples collected @ 1200
SB-8(0'-2'), SB-8(2'-4'), SB-8(4'-6'); SB-8(6'-8')
all for Lead, SB-8(0'-2') also for SPLP RCRA 8

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SB-9

Boring No.

START DATE: 8/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: Geoprobe direct push
SAMPLING METHOD: cont acetate liner
BORING DEPTH (bgs): 5'
G.WATER DEPTH (bgs): 5'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 0.4 | | 18/60 | | Dry, black, asphalt |
| | | | ND | Dry, black to brown, fine to medium sand and coal/ash slag |
| 5' | | | | wet at 5' |

Collected samples @ 1430
SB-9 (0'-2'), SB-9 (2'-4'), SB-9 (4-5') for Pb and SB-9 (0'-2') RCRA-8 SPLP

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SB-10

Boring No.

START DATE: 8/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: C. Rose

DRILLING METHOD: geoprobe direct push
SAMPLING METHOD: ~~dedicate~~ sleeve cont.
BORING DEPTH (bgs): 3'
G.WATER DEPTH (bgs): NA

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 0.4 | | 14 | | ~~Black~~ Dry, black, asphalt |
| | SB-10 (0'-2') | 36 | ND | Dry, brown, fine sand w/ little fine gravel |
| 2 | | | 0.3 | Dry, light brown fine sand and coarse gravel, some ~~coarse~~ cobbles |
| 3 | | | | |

Sample collected @ 10:25 for SPLP RCRA 8 Metals

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# SB-11

Boring No.

START DATE: 8/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geo probe, direct push
SAMPLING METHOD: cont acetate liner
BORING DEPTH (bgs): 5'
G.WATER DEPTH (bgs): NA

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 0.6 | | 37/60 | | Dry, gray, concrete |
| 5' | | | ND | Dry, brown, fine to medium sand, some brick, ash slag (fill) |

Collected sample at 12:30
SB-11 (0'-2') for SPLP RCRA 8 Metals
Concrete not included in sample

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SB-12

Boring No.

START DATE: 8/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geoprobe direct push
SAMPLING METHOD: Cont acetate liner
BORING DEPTH (bgs): 5'
G.WATER DEPTH (bgs) 4.5'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 0.4 | | 26/60 | ND | Dry, brown, loam |
| 3.0 | | | ND | Dry, brown to black, fine to medium sand, some brick & ash slag (fill) |
| 4.5 | | | ND | Dry, brown, medium to coarse sand |
| 5' | | | ND | wet, brown to black, fine to medium sand, little coarse to fine gravel |

Sampled at 13:00 SB-12 (0'-2') SPLP RCRA 8 Metals

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# SB-13

Boring No.

START DATE: 8/12/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geoprobe direct push
SAMPLING METHOD: cont acetate liner
BORING DEPTH (bgs): 8'
G.WATER DEPTH (bgs): 8'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 0.4 | | | | Dry, black asphalt |
| 5 | | 27/60 | ND | Dry, black, medium to fine sand and brick, ash/coal slag (fill) |
| 6 | | 25/60 | ND | ~~Wet~~ Dry to wet, brown, fine to silty sand |
| 8 | | | | |
| | | | | samples collected at 930 |

SB-13 (0'-2') for SVOCs, PCBs, RCRA 8, Be, & SPLP RCRA 8 (on HOLD)
SB-13 (2'-4') and SB-13 (4'-6') for RCRA 8 & Be (ON HOLD)
SB-13 (6'-8') for TPH & VOCs; also - RCRA 8 & Be (ON HOLD)



asphalt not included in sample

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# SB-14

Boring No.

START DATE: 8/12/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geoprobe direct push
SAMPLING METHOD: cont acetate liner
BORING DEPTH (bgs): 5'
G.WATER DEPTH (bgs): 5

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 0.4 | | 19/60 | ND | Dry, brown, loam |
| 2.0 | | | ND | Dry, brown, fine to medium sand, little coarse to fine gravel |
| .4 | | | — | Dry, gray, cobbles, little fine sand |
| 5 | | | ND | Moist to wet, medium to fine sand |
| | | | | Drilled additional boring to supply sufficient soil vol. for samples |
| | | | | collected samples 1030 |

SB-14 (0'-2') for SVOCs, PCBs, RCRA8, & Be Also RCRA8 SPLP (ON H
SB-14 (4'-5') for TPH & VOCs also RCRA8 & Be (ON HOLD)

~~QA/QC not included~~

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# SB-15

Boring No.

START DATE: 8/12/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: Geoprobe direct push
SAMPLING METHOD: cont acetate liner
BORING DEPTH (bgs): 5'
G.WATER DEPTH (bgs): 4.5'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 25/60 | ND | Dry, brown to black, fine to med sand, little coal/ash slag and brick. Refusal at ≈ 4.5'; wood at 4.5' which is wet. Drilled 2nd boring, no wood or refusal at 4.5', however water table is at 4.5' |
| 5' | | | | |
| | | | | Collected samples at 1130 |

SB-15 (0'-2') for SVOCs, PCBs, RCRA 8 Metals & Be SPLP RCRA 8 (ON
SB-15 (2-4.5') for VOCs & TPH, RCRA 8 Metals (ON HOLD)

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# SB-16A

Boring No.

START DATE: 8/12/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs): ~~8.5'~~
G.WATER DEPTH (bgs): 5.5

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 2 | | 37/60 | ND | Dry, brown, med. to fine sand, little fine gravel, trace coarse gravel |
| 5 | | | ND | Dry, black, med sand, some coal/ash slag fill (more dense at 5') |
| 7 | | 32/60 | ND | Moist to wet, ~~brown~~ grey silt to clay |
| 8.5 | | | — | Wet, brown, course to med sand, little fine gravel |
| | | | | Samples collected at 1300 |

SB-16A (0'-2') for ~~Pests PCBs SVOCs~~ RCRA 8, Be & SPLP RCRA 8 (on Hold)
SB-16A (2'-5') for TPH & VOCs also RCRA8 & Be ~~(on Hold)~~
Pests, PCBs, SVOCs, SPLP RCRA8 (on hold)

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SB-16/WC-6

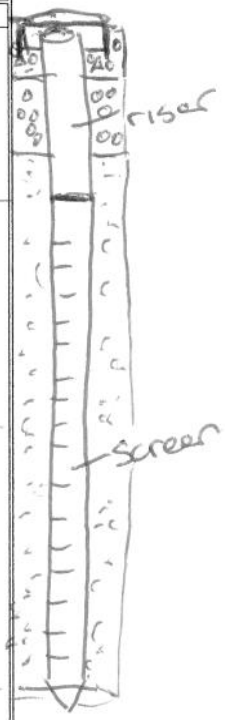
Boring No.

START DATE: 8/12/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: Geoprobe direct push
SAMPLING METHOD: cont
BORING DEPTH (bgs): 13
G.WATER DEPTH (bgs): 6.0'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 3 | | 36/60 | ND | Dry, brown, med to fine sand, little fine gravel, trace coarse gravel |
| 5 | | | ND | Dry, black, medium sand and coal/ash slag (fill) |
| 6 | | 31/60 | | |
| 10 | | | ND | Moist to wet, coarse to med sand, little fine gravel |
| 13 | | 21/60 | | |
| | | | | Collected samples at 12:00 |




SB-16 (0'-3') for ~~Pests, PCBs, SVOCs~~, RCRA 8, & Be also SPLP RCA8 (on H
SB-16 (3-6') for TPH, VOCs also RCRA 8 ~~Be (on Hold)~~
also Pests, PCBs, SVOCs, RCRA8SPLP (hold)

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SB-17A

Boring No.

START DATE: 8/14/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: Geoprobe direct push
SAMPLING METHOD: cont.
BORING DEPTH (bgs):
G.WATER DEPTH (bgs): 5'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| | | 31/60 | ND | Dry, brown, fine to med sand, little fine gravel, trace coal/ash slag |
| 3 | | | | |
| | | | 0.4 | Dry, brown to black, med to coarse sand, little coal/ash slag ~~and~~ |
| 5 | | | | |
| | | 17/36 | — | Wet, brown, coarse to med sand, little fine gravel |
| 8 | | | | |
| | | | | Samples collected @ 1330 |

SB-17A (0'-3') for ~~Pests, PCBs, SVOCs~~ RCRA 8 & Be, SPLP Metals (
SB-17A (3'-5') for RCRA 8 Metals & Be ~~(Hold)~~ Pests, PCBs, SVOCs
for TPH, VOCs, RCRA 8 SPLP (Hold)

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~~Pests included not in Sep Jar,~~

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# SB-17

Boring No.

START DATE: 8/14/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G, Rose

DRILLING METHOD: Geoprobe direct push
SAMPLING METHOD: Cont
BORING DEPTH (bgs): 8'
G.WATER DEPTH (bgs): 5'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 30/60 | ND | Dry, brown, fine to med sand, little fine gravel |
| 3 | | | ND | Dry, brown to black, med to coarse sand, little coal/ash slag |
| 5 | | 18/36 | — | wet, brown, coarse to med sand, little fine gravel |
| 8 | | | | |
| | | | | samples collected @ 1300 |

SB-17 (0'-3') for ~~Pests, PCBs, SVOCs,~~ RCRA 8; Be; SPLP Metals
SB-17 (3-5') for RCRA 8 Metals ~~Pests~~; Be
TPH, VOCs, Pests, PCBs, SVOCs, SPLP Metals (hold)

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# SB-18/WC-1

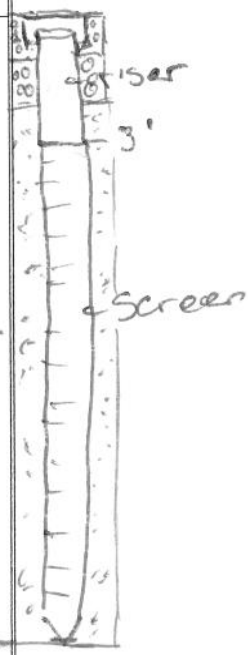
Boring No.

START DATE: 8/14/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geoprobe direct push
SAMPLING METHOD: cont. acetate liner
BORING DEPTH (bgs): 13'
G.WATER DEPTH (bgs): 5'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 30/60 | ND | Dry, brown to black, fine to med. sand, little ash/coal slag |
| 4 | | | ND | Dry, grey, silty sand, very dense |
| 5 | | 22/60 | ND | wet, brown, coarse to med. sand, trace fine gravel |
| 10 | | 18/36 | | |
| 13 | | | | |
| | | | | Samples collected at 1130 |




* SB-18 (0'-2') for SVOCs, PCBs, Pests, RCRA 8+ Be; SPLP RCRA (Hold)
SB-18 (2'-4') for RCRA 8 & Be (Hold)
SB-18 (4'-5') for TPH, VOCs & RCRA 8 & Be (hold)

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NO Sep Pest bottle, include in 1 jar

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# SB-18A

Boring No.

START DATE: 8/14/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: C. Rose

DRILLING METHOD: Geoprobe direct push
SAMPLING METHOD: Contacetate liner
BORING DEPTH (bgs): 5'
G.WATER DEPTH (bgs): 8'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 37/60 | N.D | Dry, brown, fine to med sand, little fine gravel |
| 2 | | | N.D | Dry, brown, silty sand |
| 5 | | 18/36 | — | wet, coarse to med sand, little fine gravel |
| 8 | | | | |
| | | | | Samples collected at 12:30 |

* SB-18A (0'-2') for SVOCs, PCBs, Pest, RCRA 8, Be, + SPLP Metals (Hold)
SB-18A (2'-5') for RCRA 8 Metals (Hold)
for TPH, VOCs
↳ 1 jar for ~~Pest~~ all analytes, DO Sep Pests jar

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# SB-18A

Boring No.

START DATE: 8/14/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: C. Rose

DRILLING METHOD: Geoprobe direct push
SAMPLING METHOD: Continuous acetate liner
BORING DEPTH (bgs): 5'
G.WATER DEPTH (bgs): 8'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 37/60 | N.D | Dry, brown, fine to med sand, little fine gravel |
| 2 | | | N.D | Dry, brown, silty sand |
| 5 | | 18/36 | — | wet, coarse to med sand, little fine gravel |
| 8 | | | | |
| | | | | Samples collected at 12:30 |

SB-18A (0'-2') for SVOCs, PCBs, Pest, RCRA 8 + Be, + SPLP Metals (Hold)
SB-18A (2'-5') for RCRA 8 Metals (Hold)
↳ 1 jar for ~~Pest~~ all analytes, DO Sep pests jar
For TPH, VOCs

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# SB-19

Boring No.

START DATE: 8/14/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: Geoprobe direct push
SAMPLING METHOD: cont acetate liner
BORING DEPTH (bgs): 15
G.WATER DEPTH (bgs): 10.0'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| | | 34/60 | — | Dry, gray concrete |
| 0.4 | | | | |
| | | | | Dry, black, coal/ash slag (fill) |
| 5 | | | ND | |
| 8 | | 30/60 | | |
| | | | ND | Dry, brown, fine to med Sand |
| 10 | | | | |
| | | 29/60 | — | Wet, coorse to med Sand, little fine gravel |
| 15 | | | | |
| | | | | Boring Depth Deeper due to raised Bldg Slab; greater depth to water |
| | | | | Samples collected at 1400 |

SB-19 (0'-4') for Pests, PCBs, SVOCs, RCRA 8 & Be, SPLP Metals (hold)
B-19 (4'-8) for RCRA 8 & Be (Hold)
B-19 (8'-10) for RCRA 8 & Be (Hold)

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VOCs + TPH
→ ~~No~~ sep jar for Pests

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# SB-20/MW-3

Boring No.

START DATE: 8/14/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: Geoprobe direct push
SAMPLING METHOD: Conf. acetate liner
BORING DEPTH (bgs): 14'
G.WATER DEPTH (bgs): 10'

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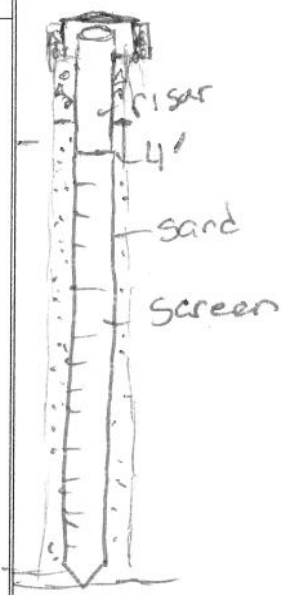
| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 34/60 | ND | Dry, brown to ~~slag~~ black, fine to med. sand, trace coal/ash slag & brick |
| 5 | | 29/60 | ND | Dry, brown, med to fine sand little fine to coarse gravel |
| 10 | | 30/48 | ND | wet, coarse to med sand, trace fine gravel |
| 14 | | | | |
| | | | | samples collected 1030 |




SB-20 (0'-2') SVOCs, Pests, PCBs, RCRA 8 & Be, RCRA 8 SPLP (Hold)
SB-20 (2'-5') RCRA 8 Metals (Hold)
SB-20 (5'-8') RCRA 8 Metals (Hold)

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SB-20 (8'-10) TPH, VOCs, RCRA 8 Metals (Hold)

| woodardcurran.com<br>COMMITMENT & INTEGRITY DRIVE RESULTS<br>WOODARD &CURRAN 95 Cedar Street, Suite 100<br>Providence, Rhode Island | SB-20/WC-3<br>1st Attempt | Boring No. |
|---|---|---|

START DATE: 8/14/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| | | 31/60 | | Dry, dark brown, fine to medium sand, little fine to coarse gravel |
| 2 | | | | |
| | | | | Dry, gray, cobbles, some concrete (may be sub floor) |
| 5 | | 8/60 | | Relocating boring due to difficulty drilling & recovery |
| 10 | | | | |
| | | | | Samples collected @ 9:15 for SVOCs, PCBs, Pests. & RCRA 8 & Be, ~~RCRA 8 SPLP~~ & Hal |

SB-20 ( )
SB-20

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# SB-21/WC-2

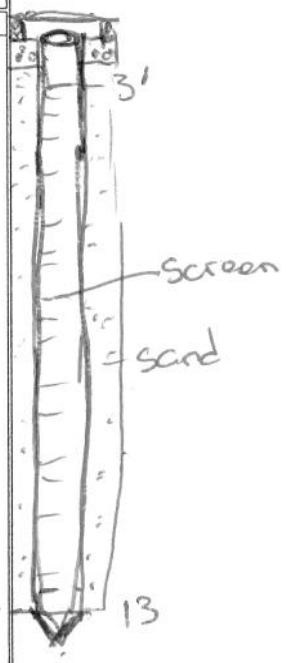
Boring No.

START DATE: 8/12/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: Geoprobe, direct push
SAMPLING METHOD: cont acetate liner
BORING DEPTH (bgs): 10' ~~15~~ 5'
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 30/60 | ND | Dry, blck, coal/ash slag (fill) |
| 5 | | 28/60 | — | Wet, gray, coarse to med sand, little fine gravel |
| 10 | | 14/36 | — | Same as above |
| 13 | | | | |
| | | | | Samples collected @ 1500 |




SB-21(0'-2') Pests, PCBs, SVOCs, RCRA 8 & Be also SPLP Metals (H
SB-21(2-5') TPH, VOCs, RCRA 8 & Be (on Hold)

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Providence, Rhode Island

SB-22

Boring No.

START DATE: 8/14/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs): 5'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| | | 38/60 | ND | Dry, black to brown med to fine sand and ash/coal slag, brick, and wood (fill) |
| 3 | | | | |
| | | | ND | Dry, brown, fine sand |
| 5 | | | | |
| | | 28/36 | ND | Moist to wet, med to coarse sand, trace fine gravel |
| 8 | | | | |
| | | | | Samples collected @ 1100 |

SB-22 (0'-3') SVOCs, PCBs, RCRA 8 & Be; Pests + SPLP Metals (Hold)
SB-22 (3'-5') TPH, VOCs, RCRA 8 & Be (Hold)

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SB-23 | Boring No.

START DATE: 8/12/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST:

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 37/60 | ND | Dry, brown, fine to med sand little fine to coarse gravel |
| 4 | | | ND | Dry, black, ash/coal slag, brick (fill) |
| 6 | | 18/36 | ND | Moist to wet, coarse to med sand, little ~~to~~ fine gravel |
| 8 | | | | |
| | | | | Samples collected at 1430 |

SB-23(0'-2') ~~SVOCs, PCBs, Pests,~~ RCRA 8 & Be also SPLP Metals (on Hold
SB-23(2'-4') on Hold RCRA 8 Metals & Be
SB-23(4'-6') ~~on Hold~~ RCRA 8 Metals & Be,

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SB-23(4'-6') TPH & VOCs ~~also RCRA 8 Metals & Be (on Hold)~~
Pests, PCBs, SVOCs, SPLP RCRA 8 (hold)

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SB-24/WC-4

Boring No.

START DATE: 8/12/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs): 13'
G.WATER DEPTH (bgs): 6'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 39/60 | ND | Dry, light brown, fine to med sand, little fine to coarse gravel |
| 3 | | | | |
| 5 | | 30/60 | ND | Dry, black, ash/coal slag, brick (fill) |
| 6 | | | | |
| 10 | | 15/60 | ND | Moist to wet, coarse to med sand, little ~~co~~ fine gravel |
| 13 | | | | |
| | | | | samples collected 1330 |

riser

screen

SB-24 (0'-3') ~~Pests, PCBs, SVOCs,~~ RCRA 8 & Be also SPLP Metals (on hold)

SB-24 (3'-6') TPH & VOCs also RCRA 8 & Be ~~(on hold)~~
Pests, PCBs, SVOCs, RCRA 8 SPLP (on hold)

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WOODARD &CURRAN 95 Cedar Street, Suite 100 Providence, Rhode Island

SB-28A

Boring No.

START DATE: 10/1/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 1 | | 59/60 | ND | Dry, brown, loamy sand |
| 4 | | | ND | Dry, black, coal/ash slag, some brick and glass |
| 6 | | | ND | Dry to Moist, brown, med to fine sand |
| | | | | End of boring |
| | | | | Samples collected 1045 |

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# WC-5/SB-25

Boring No.

START DATE: 8/12/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geoprobe direct push
SAMPLING METHOD: cont. acetate sleeve
BORING DEPTH (bgs): 13
G.WATER DEPTH (bgs): 8.5'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 23/60 | ND | Dry, brown, fine to medium sand, little coarse gravel, trace coal/ash slag |
| 3 | | | | |
| 5 | | | ND | Dry, brown, medium to fine sand little coarse to fine gravel |
| 7 | | 25/60 | | |
| | | | ND | Dry, gray, coarse to fine gravel, little fine to med sand, trace cobble |
| 8 | | | | |
| | | | ND | moist, brown coarse to med sand, little fine gravel |
| 10 | | | | |
| | | 25/60 | ND | wet, brown, fine sand |
| 13 | | | | |
| | | | | samples collected at 9:00 |

riser

screen

SB-25(0'-3') for SVOCs, RCRA 8, Be, Pesticides, PCBs
also RCRA8 SPLP for HOLD
SB-25(3'-7') for RCRA 8, ~~Be~~ for HOLD



SB-25(7'-8') for RCRA 8, ~~Be~~ for HOLD
SB-25(7'-8') for VOCs & TPH

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SB-21A

Boring No.

START DATE: 10/1/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| | | 42/60 | ND | Dry, brown, loamy sand |
| 1 | | | | |
| | | | ND | Dry to Moist, black, coal/ash slag, wood at 6' |
| 6 | | | | |
| | | | | samples collected at 1100 |

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SB-26A

Boring No.

START DATE: 10/1/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 1 | | 55/60 | ND | Dry, brown, loamy sand |
| 6 | | | ND | Dry to Moist, ash/coal slag, some fine sand at 2'-3' |
| | | | | Samples collected 11.15 |

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# SB-27A

Boring No.

START DATE: 10/1/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST:

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 1 | | 45 | ND | Dry, brown, loamy sand |
| 5 | | 60 | 0.7 | Dry, black, coal/ash slag |
| 6' | | | 3.0 | Moist to wet, black, coarse sand and fine gravel, some coal ash/slag, wood at 6' some odor |
| | | | | End of boring |
| | | | | Samples collected 9:15 |

SB-27A (0'-1'), (1'-2'), (2'-3'), (3'-4') (4'-5'), (5'-6') for PCBs

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SB-29A

Boring No.

START DATE: 10/1/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE
1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| | | 46/60 | ND | Dry, brown, loamy sand |
| 1 | | | ND | Dry, black, coal/ash slag<br>some brick<br>wet at 6' |
| 6 | | | | End of boring |
| | | | | Sampled at 12:15 |

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Collected dup SB-529A

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SB-30A

Boring No.

START DATE: 10/1/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 1 | | 39 | ND | Dry, brown, loamy sand |
| | | 60 | ND | Dry, black, coal/ash slag, some med sand at 6' |
| 5.8 6 | | | | |
| | | | | Sampled at 1130 |

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SB-31

Boring No.

START DATE: 10/1/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 1 | | 48/60 | ND | Dry, brown, loamy sand |
| 5 | | | ND | Dry, black, coal/ash slag |
| 6 | | | ND | Moist, brown, med to coarse sand |
| | | | | End of boring |
| | | | | Samples collected at 845 |

SB-31 (0'-1'), SB-31 (1'-2') for PCBs
SB-31 (2'-3'), (3'-4'), (4'-5') (5'-6') Hold

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Providence, Rhode Island

SB-32

Boring No.

START DATE: 10/1/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 1 | | 43/60 | ND | Dry, brown, loamy sand |
| 5 | | | ND | Dry, black, coal/ash slag, some brick |
| 6 | | | ND | Moist to wet, black coarse sand and fine gravel, some ash/coal slag |
| | | | | samples collected 9:00 |

SB-32 (0'-1'), (1'-2') PCBs

SB-32 (2'-3'), (3'-4'), (4'-5'), (5'-6') Hold

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|---|---|---|

START DATE: 10/1/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 1 | | | ND | Dry, brown, loamy, sand |
| | | 36/60 | ND | Dry, black to brown, coal/ash slag: Moist to wet at 6' |
| 6 | | | | End of boring<br>Drove 2nd boring to obtain sufficient sample volume |
| | | | | Samples collected at 10:00 |

SB-33 (0'-1'), (1'-2')

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Providence, Rhode Island

SB-34

Boring No.

START DATE: 10/1/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 1 | | 55 | | Dry, brown, loamy sand |
| 4 | | 60 | | Dry, black, coal/ash slag |
| 6 | | | | Moist to wet, brown, med to fine sand, trace coal/ash slag |
| | | | | End of boring |
| | | | | sampled at 930 |

SB-34 (0'-1'), (1-2') for PCBs
SB-34 (2'-3'), (3'-4'), (4'-5'), (5'-6') Hold

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SB-35

Boring No.

START DATE: 10/1/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 1 | | 55 | | Dry, brown, loamy sand |
| | | 60 | | Dry, brown to black, med to fine sand and coal/ash slag |
| 5 | | | | |
| | | | | Dry to Moist, brown, fine to med sand |
| 6 | | | | |
| | | | | samples collected 945 |

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Providence, Rhode Island

SB-36

Boring No.

START DATE: 10/1/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 1 | | 48/60 | ND | Dry, brown, loamy sand |
| 4 | | | ND | Dry, black, coal/ash slag |
| 6 | | | ND | Dry to Moist, brown, med to fine sand |
| | | | | Sampled at 10:30 |

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SB-37

Boring No.

START DATE: 10/1/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geoprobe direct push
SAMPLING METHOD: acetate sleeve (cont)
BORING DEPTH (bgs):
G.WATER DEPTH (bgs): 6'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | Dry, brown loamy sand |
| 1 | | 48/60 | | Dry, black coal/ash slag |
| 4 | | | | Dry to Moist, brown, med to fine sand |
| 6 | | | | |
| | | | | Sampled 1230 |

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SB-38

Boring No.

START DATE: 10/1/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| | | 49 | | Dry, brown, loamy sand |
| 1 | | 60 | | Dry, black, coal/ash slag |
| 5 | | | | Moist to wet, med to fine sand, little fine gravel |
| 6 | | | | End of boring |
| | | | | Samples collected 1300 |

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SB-39

Boring No.

START DATE: 10/1/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: C. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 46/60 | ND | Dry, brown, loamy, sand |
| 1 | | | | Dry, black, coal/ash slag |
| 6' | | | | wet at 6' |
| | | | | Sampled at 1200 |

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|---|---|---|

| | | | |
|---|---|---|---|
| START DATE: 10/1/09 | | DRILLING METHOD: | |
| CONTRACTORS: | | SAMPLING METHOD: | PAGE |
| DRILLER: | New England Geotech | BORING DEPTH (bgs): | |
| GEOLOGIST: G. Rose | | G.WATER DEPTH (bgs): | 1 of 1 |

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| | | 48 | | Dry, brown, loamy sand |
| 1 | | 60 | | Dry, black, coal/csh slag |
| 5 | | ~~24~~ | | Dry to Moist, brown, med to fine sand, trace fine gravel |
| 6 | | | | |
| | | | | sampled at 1145 |

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WOODARD &CURRAN 95 Cedar Street, Suite 100 Providence, Rhode Island

SB-41

Boring No.

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geoprobe
SAMPLING METHOD: cont
BORING DEPTH (bgs): 6
G.WATER DEPTH (bgs): ~6'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| | | | – | Dry, brown, loamy sand |
| 0.5 | | 49/60 | | |
| | | | – | Dry, brown to black, med sand and coal/ash slag (fill) |
| 1. | | | | |
| | | | – | Dry, brown, med to fine sand, trace fine gravel |
| 3 | | | | |
| | | | – | Dry, gray, coarse gravel, some cobbles, little fine to med sand |
| 4 | | | | |
| | | | – | Dry to wet, brown, med to ~~coarse sand~~ coarse sand, trace fine gravel |
| 6 | | | | |
| | | | | Samples collected at 10:00 |

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Providence, Rhode Island

SB-42

Boring No.

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geoprobe
SAMPLING METHOD: Cont.
BORING DEPTH (bgs): 6
G.WATER DEPTH (bgs): 5.5'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| | | 52 | ~ | Dry, brown, loamy sand |
| 0.5 | | 60 | ~ | Dry, black to brown, med to fine sand, some wood, trace coal/ash slag (fill) |
| 1 | | | ~ | Dry, brown, med to fine sand, |
| 3 | | | ~ | Dry, gray, coarse gravel, some cobble little fine to med sand |
| 4 | | | ~ | Dry to wet, brown, med to fine sand and coarse to fine gravel |
| 6 | | | | |
| | | | | samples collected 945 |

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WOODARD &CURRAN
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Providence, Rhode Island

SB-43

Boring No.

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geoprobe
SAMPLING METHOD: cont
BORING DEPTH (bgs): 6'
G.WATER DEPTH (bgs): 6'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| | | | – | Dry, brown, loamy sand |
| 0.5 | | 50/60 | – | Dry, brown to black, med sand, trace ash/slag (fill) |
| 1 | | | – | Dry, brown, fine to med sand, trace coarse gravel |
| 2 | | | – | Dry, brown, fine sand (very compact) |
| 3 | | | – | Dry, gray, coarse gravel, little med to fine sand |
| 4 | | | – | Dry, brown, med to coarse sand, trace fine gravel |
| 6 | | | | |
| | | | | Samples collected at 930 |

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COMMITMENT & INTEGRITY DRIVE RESULTS
95 Cedar Street, Suite 100
Providence, Rhode Island

# SB-44

Boring No.

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geoprobe
SAMPLING METHOD: cont
BORING DEPTH (bgs): 6'
G.WATER DEPTH (bgs): 6

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| | | 38 | – | Dry, brown, loamy, sand |
| 0.5 | | 60 | – | Dry, black, coal/ash slag (fill), little brick, trace wood |
| 3 | | | – | Dry, brown, med to fine sand, some coarse to fine gravel |
| 6 | | | | wet at 6'. Drove second boring due to poor recovery, in order to supply suff sample volume |
| | | | | samples collected 9:15 |

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COMMITMENT & INTEGRITY DRIVE RESULTS
WOODARD &CURRAN
95 Cedar Street, Suite 100
Providence, Rhode Island

SB-45

Boring No.

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geoprobe
SAMPLING METHOD: Cont
BORING DEPTH (bgs): 6'
G.WATER DEPTH (bgs): 6'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 0.5 | | | — | Dry, brown, loamy sand |
| 2 | | 50/60 | — | Dry, black, coal/ash slag (fill) |
| 4 | | | — | Dry, to wet, brown, med to fine sand, some coarse to fine gravel |
| 5 | | | — | wet, gray, coarse gravel, little med to fine ~~gravel~~ sand |
| 6 | | | — | wet, brown, med to coarse sand, trace fine gravel |
| | | | | Sampled at 835 |

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|---|---|---|---|

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geoprobe
SAMPLING METHOD: cont
BORING DEPTH (bgs): 6'
G.WATER DEPTH (bgs): 6'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 0.5 | | 48/60 | – | Dry, brown, loamy sand |
| 2 | | | – | Dry, black, coal/ash slag (fill), trace brick |
| 3 | | | – | Dry, brown, med to fine sand, some coarse to fine gravel |
| 4 | | | – | Dry, gray, coarse gravel, little med to fine sand |
| 6 | | | – | Moist to wet, brown, med to coarse sand, trace fine gravel |
| | | | | samples collected 900 |

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WOODARD &CURRAN
95 Cedar Street, Suite 100
Providence, Rhode Island

SB-47

Boring No.

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| | | | | Dry, brown, loamy sand |
| 0.5 | | 51 | | |
| | | 60 | | Dry, black, coal/ash slag |
| 1½ | | | | Dry, brown, fine to silty sand, (very compact) |
| 2 | | | | Dry to Moist, brown, med fine, little fine to coarse gravel |
| 6 | | | | |
| | | | | Samples collected 10:15 |

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COMMITMENT & INTEGRITY DRIVE RESULTS
WOODARD &CURRAN
95 Cedar Street, Suite 100
Providence, Rhode Island

SB-48

Boring No.

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| | | | | Dry, brown, loamy sand |
| 0.5 | | | | |
| | | 50/60 | | Dry, brown med to fine sand, little fine gravel |
| 1 | | | | |
| | | | | Dry, brown, fine sand (very compact) |
| 2 | | | | |
| | | | | Dry, black, coal/ash slag (Fill) (some oily staining) |
| 3 | | | | |
| | | | | Dry to Moist, brown, med to coarse sand, some fine to coarse gravel, trace cobbles |
| 6 | | | | |
| | | | | Samples collected 1115 |

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WOODARD &CURRAN
95 Cedar Street, Suite 100
Providence, Rhode Island

SB-49

Boring No.

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| | | | | Dry, brown, loamy sand |
| 0.5 | | | | |
| | | 50/60 | | Dry, black, coal/slag (fill) Some oily staining (2'-3') |
| 3 | | | | |
| | | | | Dry, brown, med to coarse sand, little coarse gravel |
| 4 | | | | |
| | | | | Dry, brown, med to fine sand, little fine to coarse gravel, trace cobble |
| 6 | | | | |
| | | | | Samples collected 1130 |

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# SB-50

Boring No.

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs): 6'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 0.5 | | 49/60 | | Dry, brown, loamy sand |
| 1 | | | | Dry, black, coal/ash slag (fill) |
| 2 | | | | Dry, brown, med to fine sand little coarse gravel (very compact) |
| 6 | | | | Dry, to moist brown, fine to med sand |
| | | | | Samples collected 1030 |

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WOODARD &CURRAN
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Providence, Rhode Island

SB-51

Boring No.

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| | | | | Dry, brown, loamy sand |
| 0.5 | | | | |
| | | 52/60 | | Dry, black, coal/ash slag (fill) |
| 1 | | | | |
| | | | | Dry, brown, med to coarse and fine to coarse gravel (very compact) |
| 2 | | | | |
| | | | | Dry, brown, med to fine sand, some fine to coarse gravel, trace cobbles |
| 6 | | | | |
| | | | | |
| | | | | Samples collected 1100 |

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Providence, Rhode Island

SB-52

Boring No.

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | Dry, brown, loamy sand |
| 0.5 | | 54 | | |
| | | 60 | | Dry, brown to black, ~~fine~~ med to fine, little coal/ash slag |
| 2 | | | | Dry, to moist brown, med to coarse sand, little fine gravel |
| 6 | | | | |
| | | | | Samples collected 1145 |

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Providence, Rhode Island

# SB-53

Boring No.

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 0.5 | | 45/60 | | Dry, brown, loamy sand |
| | | | | Dry, black, coal/ash slag, some visible oily staining |
| 1 | | | | Dry, black, fine to silty sand, trace coase sand, some oily staining (very compact) |
| 2 | | | | Dry, brown, med to coarse sand, trace fine to coarse gravel |
| 6 | | | | |
| | | | | samples collected 1045 |

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WOODARD &CURRAN
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Providence, Rhode Island

SB-54

Boring No.

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | Dry, brown, loamy sand |
| 0.5 | | 44/60 | | Dry to Moist, ~~brown~~ black, coal/ash slag (very coarse) |
| 5 | | | | Moist, brown, fine sand |
| 6 | | | | |
| | | | | Samples collected 12:00 |

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|---|---|---|

| | | | |
|---|---|---|---|
| START DATE: 10/20/09 | | DRILLING METHOD: | |
| CONTRACTORS: | | SAMPLING METHOD: | PAGE |
| DRILLER: | New England Geotech | BORING DEPTH (bgs): | |
| GEOLOGIST: G.Rose | | G.WATER DEPTH (bgs): | 1 of 1 |

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | Dry, brown, loamy sand |
| 0.5 | | 52/60 | | Dry, black, coal/ash slag (fill) |
| 2 | | | | Dry, brown, med to coarse sand, little fine to coarse gravel |
| 3 | | | | Dry to Moist, brown, fine sand (very compact) |
| 6 | | | | |
| | | | | Samples collected 1330 |

| woodardcurran.com<br>COMMITMENT & INTEGRITY DRIVE RESULTS<br>WOODARD &CURRAN 95 Cedar Street, Suite 100<br>Providence, Rhode Island | SB-56 | Boring No. |
|---|---|---|

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | Dry, brown, loamy sand |
| 0.5 | | 51/60 | | Dry, black, coal/ash slag and wood (fill |
| 2 | | | | Dry, brown to black, med to fine sand, little fine to coarse gravel |
| 3 | | 4/4 | | Dry, brown, fine sand |
| 6 | | | | |
| | | | | Samples collected 1245 |

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WOODARD &CURRAN
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Providence, Rhode Island

SB-57

Boring No.

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | Dry, brown, loamy sand |
| 0.5 | | 50 | | |
| | | 60 | | Dry, black, coal/ash slag (fill) |
| 2 | | | | |
| | | | | Dry, brown, med to coarse, little fine to coarse gravel |
| 4 | | | | |
| | | | | Dry, brown, fine sand |
| 6 | | | | |
| | | | | Samples collected 1215 |

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WOODARD &CURRAN
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Providence, Rhode Island

SB-58

Boring No.

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | Dry, brown, loamy sand |
| 0.5 | | 53/60 | | Dry, black, coal/ash slag (fill) |
| 2 | | | | Dry, brown, med to coarse sand, little fine to coarse gravel |
| 3 | | | | Dry to Moist, brown, fine sand |
| 6 | | | | |
| | | | | samples collected 1315 |

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WOODARD &CURRAN
95 Cedar Street, Suite 100
Providence, Rhode Island

SB-59

Boring No.

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs): 6'

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| | | | | Dry, brown, loamy sand |
| 0.5 | | 52/60 | | Dry, black, coal/ash slag (fill) |
| 4 | | | | Dry to Moist, brown, fine sand |
| 6 | | | | |
| | | | | Samples collected 1300 |

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COMMITMENT & INTEGRITY DRIVE RESULTS
95 Cedar Street, Suite 100
Providence, Rhode Island

SB-60

Boring No.

START DATE: 10/20/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | Dry, brown, loamy sand |
| 0.5 | | 48/60 | | Dry, black, coal/ash slag (Fill) |
| 2 | | | | Dry, brown, med to coarse sand, little fine to coarse gravel |
| 3 | | | | Dry to Moist, brown, fine sand |
| 6 | | | | |
| | | | | Samples collected 12:30 |

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WOODARD &CURRAN
95 Cedar Street, Suite 100
Providence, Rhode Island

SB-61

Boring No.

START DATE: 12/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| 0.2 | | 37/60 | | Dry, gray concrete |
| | | | | Dry, black, coal/ash slag, (fill) |
| 5 | | 48/60 | | Dry, brown, medium to fine sand, little fine to coarse gravel |
| 8 | | ~~dlw~~ | | Dry, brown, fine sand, trace fine gravel |
| 10 | | | | |
| | | | | Samples collected at 8:30 |

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COMMITMENT & INTEGRITY DRIVE RESULTS

95 Cedar Street, Suite 100
Providence, Rhode Island

SB-62

Boring No.

START DATE: 12/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geoprobe direct push
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | Dry, gray, concrete |
| | | 36/60 | | Dry, black, coal/ash slag (fill) trace glass |
| 5 | | | | Entire 1ft layer of glass at 6'-7'; No sample collected at 6-7' |
| 9 | | 34/60 | | Dry, brown, fine sand |
| 10 | | | | |
| | | | | Samples collected 900 |

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Providence, Rhode Island

SB-63

Boring No.

START DATE: 12/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geoprobe direct push
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | Dry gray concrete |
| | | 34/60 | | Dry, black/brown, coal/ash slag (fill) and med sand to fine sand, little fine to med gravel; Mostly fill at 4'-5' |
| 5 | | | | |
| 7 | | 25/60 | | Dry, brown, fine sand, |
| 8 | | | | Refusal at 8', concrete |
| | | | | Samples collected at 930 |

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COMMITMENT & INTEGRITY DRIVE RESULTS
95 Cedar Street, Suite 100
Providence, Rhode Island

SB-64

Boring No.

START DATE: 12/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | Dry, brown, fine Sand (very compact) |
| 2 | | 59/60 | | Dry, black, coal/slag (fill) |
| 3 | | | | Dry, brown, fine to med Sand |
| 6 | | | | |
| | | | | Samples collected 1345 |

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Providence, Rhode Island

SB-65

Boring No.

START DATE: 12/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 36/60 | | Dry, brown to black, med to fine sand, trace coal/ash, plastic and wood<br>More wood at 5'-6' |
| 6 | | | | |
| | | | | Samples collected 1330 |

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COMMITMENT & INTEGRITY DRIVE RESULTS
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Providence, Rhode Island

SB-66

Boring No.

START DATE: 12/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 43 | | Dry, brown to black, fine to med sand, trace coal/ash slag, trace fine gravel |
| 3 | | | | Dry, brown, fine to med sand |
| 6 | | | | |
| | | | | Samples collected 1315 |

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WOODARD &CURRAN
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Providence, Rhode Island

SB-67

Boring No.

START DATE: 12/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | Dry, brown to black, fine sand, little fine gravel, trace coal/ash slag |
| 3 | | 58 | | Dry, brown, fine to med sand |
| 6 | | 60 | | |
| | | | | Samples collected 1300 |

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|---|---|---|

START DATE: 12/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 43 | | Dry, brown to black, fine sand little fine gravel, trace ash/coal slag |
| 2 | | 60 | | Dry, brown, fine sand to med sand |
| 6 | | | | |
| | | | | Samples collected 1245 |

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WOODARD &CURRAN
95 Cedar Street, Suite 100
Providence, Rhode Island

SB-69

Boring No.

START DATE: 12/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 48 / 60 | | Dry, brown to black, fine sand, little fine gravel, ash/slag at 2'-3 |
| 3' | | | | Dry, brown, fine sand to med sand |
| 6' | | | | |
| | | | | Samples collected 1230 |

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COMMITMENT & INTEGRITY DRIVE RESULTS
WOODARD &CURRAN
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Providence, Rhode Island

SB-70

Boring No.

START DATE: 12/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 48 ~~72~~ 60 | | Dry, brown to black, fine sand trace fine gravel, ash/slag at 2'-3' |
| 4 | | ~~44~~ | | Dry, brown, fine to med Sand |
| 6 | | | | |
| | | | | Samples collected 1215 |

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COMMITMENT & INTEGRITY DRIVE RESULTS
WOODARD &CURRAN
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Providence, Rhode Island

SB-71

Boring No.

START DATE: 12/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST:

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 46 | | Dry, brown to black, fine sand trace fine gravel, ash/slag at 2'-3' |
| 4 | | 60 | | Dry, brown, fine to med sand, rock at 4' |
| 6 | | | | |
| | | | | Samples collected 12:00 |

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WOODARD &CURRAN
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Providence, Rhode Island

SB-72

Boring No.

START DATE: 12/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 39 | | Dry, brown to black, med sand and coal/ash slag (fill) |
| 4' | | 60 | | Dry, brown, fine to med sand, little coarse gravel at 4' |
| 6' | | | | |
| | | | | Samples collected 1145 |

woodardcurran.com
COMMITMENT & INTEGRITY DRIVE RESULTS
WOODARD &CURRAN
95 Cedar Street, Suite 100
Providence, Rhode Island

SB-73

Boring No.

START DATE: 12/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | | | |
| | | 52 | | Dry, brown to black, fine sand and ash/coal slag/brick (fill) |
| 2 | | [illegible] | | |
| | | 60 | | Dry, brown, med sand, little coarse to fine gravel |
| 6 | | | | |
| | | | | samples collected at 1130 |

WOODARD &CURRAN

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COMMITMENT & INTEGRITY DRIVE RESULTS

95 Cedar Street, Suite 100
Providence, Rhode Island

SB-74

Boring No.

START DATE: 12/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST:

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 48 | | Dry, brown to black, fine Sand, little fill (brick), trace fine gravel |
| 2 | | ~~02~~ 00 | | Dry, brown, med sand, some coarse to fine gravel |
| 6 | | | | |
| | | | | Samples collected at 1115 |

woodardcurran.com
COMMITMENT & INTEGRITY DRIVE RESULTS
WOODARD &CURRAN
95 Cedar Street, Suite 100
Providence, Rhode Island

SB-75

Boring No.

START DATE: 12/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST:

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 45 / 60 | | Dry, brown, med sand to fine sand (some black staining at 2'-3') |
| 3 | | | | Dry, brown med sand, some coarse to fine gravel |
| 6 | | | | |
| | | | | Samples collected 1100 |

woodardcurran.com
COMMITMENT & INTEGRITY DRIVE RESULTS
WOODARD &CURRAN
95 Cedar Street, Suite 100
Providence, Rhode Island

SB-76

Boring No.

START DATE: 12/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 28/60 | | Dry, brown, med sand, little fine to med gravel |
| 1 | | | | |
| | | | | Dry, brown fine sand, little fine gravel, rock at 2'-3') |
| 3 | | | | |
| 5 | | 26/60 | | Dry, brown, coarse to med sand, trace med gravel some fine sand at 7'-8' |
| 8 | | | | |
| | | | | Samples collected 10:15 |

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COMMITMENT & INTEGRITY DRIVE RESULTS
95 Cedar Street, Suite 100
Providence, Rhode Island

SB-77

Boring No.

START DATE: 12/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD: geoprobe direct push
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 31/60 | | Dry, brown, med sand, little fine to med gravel |
| 1 | | | | Dry, brown fine sand, little fine gravel Some rock at 2'-3' |
| 2 3 | | | | Dry, brown coarse sand, trace med gravel, some fine sand at 7'-8' |
| 5 | | 24/60 | | |
| 8 | | | | |
| | | | | samples collected 10:00 |

| woodardcurran.com<br>COMMITMENT & INTEGRITY DRIVE RESULTS<br>WOODARD &CURRAN 95 Cedar Street, Suite 100<br>Providence, Rhode Island | SB-78 | Boring No. |
|---|---|---|

START DATE: 12/11/09
CONTRACTORS:
DRILLER: New England Geotech
GEOLOGIST: G. Rose

DRILLING METHOD:
SAMPLING METHOD:
BORING DEPTH (bgs):
G.WATER DEPTH (bgs):

PAGE 1 of 1

| Depth | Sample ID | Rec. Length | PID (ppm) | Field Description and Remarks |
|---|---|---|---|---|
| 0' | | 37/60 | | Dry, brown, silty to fine sand |
| 1 | | | | Dry, brown, fine sand, trace fine gravel |
| 3 | | | | Dry, brown, med to coarse sand, little fine to coarse gravel |
| 5 | | 30/60 | | Dry, brown, fine sand |
| 8 | | | | |
| | | | | samples collected 10:30 |

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
Consultants

400 Wampanoag Trail
Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 9, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-134**

Depth to Water (ft): NM
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-134 (0-1) | | | 4.0/5.0 | | | | 0 | Moist, FINE AND MEDIUM SAND, some fine gravel (slag). | | 0 |
| | SB-134 (1-2) | | | | | | | | | | 1 |
| | | | | | | | | | Dry, black/orange, COARSE SAND AND FINE GRAVEL, some coal slag and ash, little medium sand. | | |
| | SB-134 (2-3) | | | | | | | | | | 2 |
| | SB-134 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
Consultants

400 Wampanoag Trail
Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 9, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-135**

Depth to Water (ft): NM
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-135 (0-1) | | | 4.0/5.0 | | | | 0 | Moist, brown/black, COARSE SAND AND FINE GRAVEL, some coal ash and slag, little brick, trace silt. | | 0 |
| | SB-135 (1-2) | | | | | | | | | | 1 |
| | SB-135 (2-3) | | | | | | | | Dry, black, FINE GRAVEL, some coal ash and slag. | | 2 |
| | SB-135 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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02915

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f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 9, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-136**

Depth to Water (ft): NM
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-136 (0-1) | | | 3.0/5.0 | | | | 0 | Moist, brown/black, COARSE SAND AND FINE GRAVEL, some coal slag and ash, little silt, trace brick. | | 0 |
| | SB-136 (1-2) | | | | | | | | | | 1 |
| | SB-136 (2-3) | | | | | | | | Dry, black, FINE GRAVEL, some coal ash and slag. | | 2 |
| | SB-136 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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02915

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-137**

Depth to Water (feet): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (in.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in.) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Elevation (in.) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-137 (0-1) | | | 3.0/5.0 | | | | 0 | Dry, light brown, MEDIUM SAND, some fine sand, little fine gravel. | | 0 |
| | SB-137 (1-2) | | | | | | | | | | |
| | SB-137 (2-3) | | | | | | | | | | |
| | SB-137 (3-4) | | | | | | | | Dry, black, MEDIUM-COARSE SAND, slag, ash and coal. | | |
| 5 | | | | | | | | -5 | | | 5 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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02915

p 401.434.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-138**

Depth to Water (feet): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (in.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in.) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Elevation (in.) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-138 (0-1) | | | 3.0/5.0 | | | | 0 | Dry,brown, MEDIUM SAND, some fine gravel, trace brick. | | 0 |
| | SB-138 (1-2) | | | | | | | | Dry, black-borwn, MEDIUM SAND, some fine gravel, trace coal, slag and ash. | | |
| | SB-138 (2-3) | | | | | | | | | | |
| | SB-138 (3-4) | | | | | | | | | | |
| 5 | | | | | | | | -5 | | | 5 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
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401 Wampanoag Trail
Suite 400
East Providence
Rhode Island
02915

p 401.434.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-139**

Depth to Water (feet): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (in.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in.) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Elevation (in.) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-139 (0-1) | | | 3.0/5.0 | | | | 0 | Dry, dark brown, MEDIUM-COARSE SAND, some fine gravel, trace silt. | | 0 |
| | SB-139 (1-2) | | | | | | | | | | |
| | SB-139 (2-3) | | | | | | | | | | |
| | SB-139 (3-4) | | | | | | | | Dry, brown, MEDIUM-COARSE SAND, some fine gravel, trace silt. | | |
| | | | | | | | | | Dry, black, COARSE SAND, coal, ash, brick, glass and slag. | | |
| 5 | | | | | | | | -5 | | | 5 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
Consultants

400 Wampanoag Trail
Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-140**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-140 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, light brown, MEDIUM SAND, some fine sand and fine gravel. | | 0 |
| | SB-140 (1-2) | | | | | | | | | | 1 |
| | SB-140 (2-3) | | | | | | | | Dry, black, MEDIUM-COARSE SAND, slag, ash, coal and glass. | | 2 |
| | SB-140 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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400 Wampanoag Trail
Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-141**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-141 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, brown, MEDIUM AND COARSE SAND, little fine gravel. | | 0 |
| | SB-141 (1-2) | | | | | | | | Black, MEDIUM SAND, little slag. | | 1 |
| | SB-141 (2-3) | | | | | | | | Dry, light brown, FINE SAND, some silt and coarse sand, trace clay. | | 2 |
| | SB-141 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | Dry, black, FINE AND MEDIUM SAND. | | 4 |
| 5 | | | | | | | | -5 | Dry, brown, FINE SAND, little clay. | | 5 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
Consultants

400 Wampanoag Trail
Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-142**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-142 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, light/dark-brown, MEDIUM SAND, some fine and coarse sand, little silt, trace brick, slag and ash. | | 0 |
| | SB-142 (1-2) | | | | | | | | | | 1 |
| | SB-142 (2-3) | | | | | | | | Concrete and brick rubble. | | 2 |
| | SB-142 (3-4) | | | | | | | | Dry, brown/black, MEDIUM SAND, some fine sand, coal, slag and ash. | | 3 |
| | | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-143**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-143 (0-1) | | | 3.0/5.0 | | | | 0 | Dry, dark brown/olive, MEDIUM SAND, some fine and coarse sand, little fine gravel, trace slag. | | 0 |
| | SB-143 (1-2) | | | | | | | | | | 1 |
| | SB-143 (2-3) | | | | | | | | Concrete and brick rubble. | | 2 |
| | SB-143 (3-4) | | | | | | | | Dry, brown/black, MEDIUM AND COARSE SAND, little slag and ash. | | 3 |
| | | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 4, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-143A**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Elevation (ft.) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | 0 | | | 0 |
| | SB-143A (4-5) | | | 4.0/4.0 | | | | | Dry, light brown, FINE AND MEDIUM SAND, little fine gravel. | | |
| 5 | SB-143A (5-6) | | | | | | | -5 | Dry, dark brown, FINE AND MEDIUM SAND, trace fine gravel and silt. | | 5 |
| | SB-143A (6-7) | | | | | | | | Dry, light brown, SILT AND FINE SAND, some fine gravel. | | |
| | SB-143A (7-8) | | | | | | | | Dry, light brown, FINE AND MEDIUM SAND, some fine gravel, trace silt. | | |

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1]Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2]PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1]GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-144**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-144 (0-1) | | | 3.0/5.0 | | | | 0 | Dry, dark brown/olive, MEDIUM SAND, some fine and coarse sand, little fine gravel, trace slag. | | 0 |
| | SB-144 (1-2) | | | | | | | | | | 1 |
| | SB-144 (2-3) | | | | | | | | Concrete and brick rubble. | | 2 |
| | SB-144 (3-4) | | | | | | | | Dry, brown/black, MEDIUM AND COARSE SAND, little slag and ash. | | 3 |
| | | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-145**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-145 (0-1) | | | 3.0/5.0 | | | | 0 | Dry, dark brown/olive, MEDIUM SAND, some fine sand, little fine gravel, trace slag. | | 0 |
| | SB-145 (1-2) | | | | | | | | | | 1 |
| | SB-145 (2-3) | | | | | | | | Concrete and brick rubble. | | 2 |
| | SB-145 (3-4) | | | | | | | | Dry, dark brown/olive, MEDIUM SAND, some fine sand, little fine gravel, trace slag. | | 3 |
| | | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-146**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-146 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, brown, MEDIUM SAND, some fine gravel, little fine sand, trace brick. | | 0 |
| | SB-146 (1-2) | | | | | | | | | | 1 |
| | SB-146 (2-3) | | | | | | | | | | 2 |
| | SB-146 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | Dry, black, MEDIUM AND COARSE SAND, little ash, slag and coal. | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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400 Wampanoag Trail
Suite 400
East Providence
Rhode Island
02915

p 781.431.0500
f 781.431.7434

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 4, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-146A**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | 0 | | | 0 |
| | | | | | | | | | | | 1 |
| | | | | | | | | | | | 2 |
| | | | | | | | | | | | 3 |
| | SB-146A (4-5) | | | 4.0/4.0 | | | | | Dry, brown, FINE SAND AND SILT, little fine gravel, trace asphalt. | | 4 |
| 5 | SB-146A (5-6) | | | | | | | -5 | Dry, grayish-brown, FINE SAND AND SILT, trace fine gravel and clay. | | 5 |
| | SB-146A (6-7) | | | | | | | | Dry, grey-light brown, SILT AND CLAY, trace medium sand. | | 6 |
| | SB-146A (7-8) | | | | | | | | Dry, light brown, FINE AND MEDIUM SAND, trace clay, trace fine gravel. | | 7 |
| | | | | | | | | | | | 8 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

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02915

p 781.431.0500
f 781.431.7434

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 4, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-146A**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description: Soils: moisture, density[1], color, size, major and minor constituents[2]; Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 8 |

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

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f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-147**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-147 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, light brown, FINE AND MEDIUM SAND, some fine gravel, little silt. | | 0 |
| | SB-147 (1-2) | | | | | | | | | | 1 |
| | SB-147 (2-3) | | | | | | | | | | 2 |
| | | | | | | | | | Dry, black/dark-orange, SLAG ASH AND COAL. | | |
| | SB-147 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
Consultants

400 Wampanoag Trail
Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-148**

Depth to Water (ft): 13.0'
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-148 (0-1) | | | 3.0/5.0 | | | | 0 | Dry, brown, FINE SAND, some fine gravel, little medium sand. | | 0 |
| | SB-148 (1-2) | | | | | | | | | | 1 |
| | SB-148 (2-3) | | | | | | | | | | 2 |
| | SB-148 (3-4) | | | | | | | | Dry, brown/black, MEDIUM AND COARSE SAND, little brick and slag. | | 3 |
| | SB-148 (4-5) | | | | | | | | | | 4 |
| 5 | SB-148 (5-6) | | | 4.0/5.0 | | | | -5 | Wet, dark brown, FINE AND MEDIUM SAND, some silt, trace fine gravel. | | 5 |
| | SB-148 (6-7) | | | | | | | | | | 6 |
| | SB-148 (7-8) | | | | | | | | | | 7 |
| | SB-148 (8-9) | | | | | | | | Wet, dark brown/black, COARSE SAND, little fine sand and silt. | | 8 |
| | SB-148 (9-10) | | | | | | | | | | 9 |
| 10 | SB-148 (10-11) | | | 2.0/3.0 | | | | -10 | | | 10 |
| | SB-148 (11-12) | | | | | | | | | | 11 |
| | | | | | | | | | | | 12 |
| | | | | | | | | | | | 13 |

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
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400 Wampanoag Trail
Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-149**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-149 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, brown, FINE SAND, some silt, trace coarse sand and fine gravel. | | 0 |
| | SB-149 (1-2) | | | | | | | | | | 1 |
| | SB-149 (2-3) | | | | | | | | Dry, black, MEDIUM AND COARSE SAND, little coal, ash and slag. | | 2 |
| | SB-149 (3-4) | | | | | | | | Dry, brown/olive, MEDIUM AND COARSE SAND, some fine gravel, little fine sand. | | 3 |
| | | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-150**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-150 (0-1) | | | 3.5/4.5 | | | | 0 | Dry, brown, FINE AND MEDIUM SAND, little fine gravel, trace silt. | | 0 |
| | SB-150 (1-2) | | | | | | | | | | 1 |
| | SB-150 (2-3) | | | | | | | | | | 2 |
| | SB-150 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | Dry, light brown, MEDIUM SAND, trace fine gravel and silt. | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Consultants

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Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-151**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-151 (0-1) | | | 3.5/4.5 | | | | 0 | Dry, dark brown, FINE SAND, some medium and coarse sand, trace silt. | | 0 |
| | SB-151 (1-2) | | | | | | | | | | 1 |
| | SB-151 (2-3) | | | | | | | | | | 2 |
| | SB-151 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-152**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-152 (0-1) | | | 3.0/5.0 | | | | 0 | Dry, brown/olive-grey, MEDIUM AND COARSE SAND, little fine gravel, trace silt. | | 0 |
| | SB-152 (1-2) | | | | | | | | | | 1 |
| | SB-152 (2-3) | | | | | | | | Dry, brown/black, MEDIUM AND COARSE SAND, little fine gravel, trace silt. | | 2 |
| | SB-152 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | Dry, brown, MEDIUM AND COARSE SAND, some fine gravel. | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
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400 Wampanoag Trail
Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-153**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-153 (0-1) | | | 3.5/5.0 | | | | 0 | Dry, dark brown/black banded, MEDIUM AND COARSE SAND, trace slag and ash. | | 0 |
| | SB-153 (1-2) | | | | | | | | | | 1 |
| | SB-153 (2-3) | | | | | | | | Dry, black, MEDIUM AND COARSE SAND, trace slag and ash. | | 2 |
| | SB-153 (3-4) | | | | | | | | Dry, brown, MEDIUM AND COARSE SAND. | | 3 |
| | | | | | | | | | Dry, brown, COARSE SAND. | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
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400 Wampanoag Trail
Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 9, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-154**

Depth to Water (ft): 7.5'
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | 4.0/5.0 | | | | 0 | Dry, dark brown, FINE SAND, some coarse sand, little silt. | | 0 |
| | | | | | | | | | | | 1 |
| | | | | | | | | | | | 2 |
| | | | | | | | | | Dry, brown, FINE AND MEDIUM SAND, little fine gravel. | | 3 |
| | | | | | | | | | | | 4 |
| 5 | SB-154 (5-6) | | | 4.5/5.0 | | | | -5 | | | 5 |
| | SB-154 (6-7) | | | | | | | | Dry, dark brown to black, COARSE SAND, some fine gravel, little medium sand, trace silt. | | 6 |
| | SB-154 (7-8) | | | | | | | | Moist, black stained, COARSE SAND, some fine gravel, little medium sand, trace silt. Heavy chlorinated odor. | | 7 |
| | SB-154 (8-9) | | | | | | | | Moist, dark brown to black, COARSE SAND, some fine gravel, little medium sand, trace silt. | | 8 |
| | SB-154 (9-10) | | | | | | | | | | 9 |
| 10 | SB-154 (10-11) | | | 2.0/2.0 | | | | -10 | | | 10 |
| | SB-154 (11-12) | | | | | | | | | | 11 |
| | | | | | | | | | | | 12 |

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

# BORING AND WELL CONSTRUCTION LOG

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Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-155**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-155 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, dark brown/olive, MEDIUM SAND, some fine gravel, trace slag. | | 0 |
| | SB-155 (1-2) | | | | | | | | | | 1 |
| | SB-155 (2-3) | | | | | | | | Dry, brown/black, MEDIUM SAND, some fine gravel, trace slag. | | 2 |
| | SB-155 (3-4) | | | | | | | | Dry, light brown, MEDIUM AND COARSE SAND, little fine gravel. | | 3 |
| | | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
Consultants

400 Wampanoag Trail
Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 9, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-156**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-156 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, brown/black, FINE TO COARSE SAND, some ash and slag, little fine gravel, trace concrete. | | 0 |
| | SB-156 (1-2) | | | | | | | | | | 1 |
| | SB-156 (2-3) | | | | | | | | | | 2 |
| | SB-156 (3-4) | | | | | | | | Dry, brown, MEDIUM TO COARSE SAND. | | 3 |
| | SB-156 (4-5) | | | | | | | | Dry, grey, FINE SAND. | | 4 |
| 5 | SB-156 (5-6) | | | 4.5/5.0 | | | | -5 | Dry, brown, MEDIUM TO COARSE SAND, little fine gravel. | | 5 |
| | SB-156 (6-7) | | | | | | | | | | 6 |
| | SB-156 (7-8) | | | | | | | | | | 7 |
| | SB-156 (8-9) | | | | | | | | | | 8 |
| | SB-156 (9-10) | | | | | | | | | | 9 |
| 10 | SB-156 (10-11) | | | 2.0/2.0 | | | | -10 | | | 10 |
| | SB-156 (11-12) | | | | | | | | | | 11 |
| | | | | | | | | | | | 12 |

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
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East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 9, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-157**

Depth to Water (ft): 7.0'
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-157 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, dark brown, FINE SAND, some silt, trace brick. | | 0 |
| | SB-157 (1-2) | | | | | | | | Dry, black, COARSE SAND, some coal ash and slag. | | 1 |
| | SB-157 (2-3) | | | | | | | | Dry, brown, FINE AND MEDIUM SAND, trace slag. | | 2 |
| | SB-157 (3-4) | | | | | | | | | | 3 |
| | SB-157 (4-5) | | | | | | | | Dry, brown, MEDIUM SAND, little fine gravel, trace silt. | | 4 |
| 5 | SB-157 (5-6) | | | 4.0/5.0 | | | | -5 | Dry to moist, brown, MEDIUM SAND, some fien gravel, trace silt. | | 5 |
| | SB-157 (6-7) | | | | | | | | | | 6 |
| | SB-157 (7-8) | | | | | | | | | | 7 |
| | SB-157 (8-9) | | | | | | | | | | 8 |
| | SB-157 (9-10) | | | | | | | | | | 9 |
| 10 | SB-157 (10-11) | | | 2.0/2.0 | | | | -10 | Wet, brown, MEDIUM AND COARSE SAND, some fine gravel. | | 10 |
| | SB-157 (11-12) | | | | | | | | | | 11 |
| | | | | | | | | | | | 12 |

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

# BORING AND WELL CONSTRUCTION LOG

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02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 9, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-158**

Depth to Water (ft): NM
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-158 (0-1) | | | 4.5/5.0 | | | | 0 | Dry, brown, FINE AND MEDIUM SAND, little silt, trace fine gravel. | | 0 |
| | SB-158 (1-2) | | | | | | | | Dry, black, COARSE SAND AND FINE GRAVEL, some coal, slag and ash, trace brick and concrete. | | 1 |
| | SB-158 (2-3) | | | | | | | | Dry, brown, MEDIUM SAND, some fine sand, little silt. | | 2 |
| | SB-158 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
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Scientists
Consultants

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Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-159**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-159 (0-1) | | | 3.5/5.0 | | | | 0 | Dry, olive-grey, FINE AND MEDIUM SAND, little fine gravel. | | 0 |
| | SB-159 (1-2) | | | | | | | | | | 1 |
| | | | | | | | | | Dry, black, MEDIUM AND COARSE SAND, some slag and ash. | | 2 |
| | SB-159 (2-3) | | | | | | | | | | |
| | SB-159 (3-4) | | | | | | | | Dry, light brown, FINE AND MEDIUM SAND, trace fine gravel. | | 3 |
| | | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Rhode Island
02915

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f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 9, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-160**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-160 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, brown/light-brown, FINE TO MEDIUM SAND, little silt. | | 0 |
| | SB-160 (1-2) | | | | | | | | | | 1 |
| | SB-160 (2-3) | | | | | | | | Dry, black, COARSE SAND, some fine gravel, coal, slag and ash. | | 2 |
| | SB-160 (3-4) | | | | | | | | Dry, brown, MEDIUM AND COARSE SAND, some fine gravel, little silt. | | 3 |
| | SB-160 (4-5) | | | | | | | | | | 4 |
| 5 | SB-160 (5-6) | | | 4.5/5.0 | | | | -5 | | | 5 |
| | SB-160 (6-7) | | | | | | | | | | 6 |
| | SB-160 (7-8) | | | | | | | | | | 7 |
| | SB-160 (8-9) | | | | | | | | | | 8 |
| | SB-160 (9-10) | | | | | | | | | | 9 |
| 10 | SB-160 (10-11) | | | 2.0/2.0 | | | | -10 | | | 10 |
| | SB-160 (11-12) | | | | | | | | | | 11 |
| | | | | | | | | | | | 12 |

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

# BORING AND WELL CONSTRUCTION LOG

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Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 9, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-161**

Depth to Water (ft): 6.5'
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-161 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, brown/black, FINE AND MEDIUM SAND, trace slag. | | 0 |
| | SB-161 (1-2) | | | | | | | | | | 1 |
| | SB-161 (2-3) | | | | | | | | Dry, black, FINE AND MEDIUM SAND, some slag and ash, trace fine gravel. | | 2 |
| | SB-161 (3-4) | | | | | | | | | | 3 |
| | SB-161 (4-5) | | | | | | | | | | 4 |
| 5 | SB-161 (5-6) | | | 4.5/5.0 | | | | -5 | Wet to moist, brown, FINE AND MEDIUM SAND, some coarse sand, trace fine gravel. | | 5 |
| | SB-161 (6-7) | | | | | | | | | | 6 |
| | SB-161 (7-8) | | | | | | | | | | 7 |
| | | | | | | | | | | | 8 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

# BORING AND WELL CONSTRUCTION LOG

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Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 9, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-162**

Depth to Water (ft): NM
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-162 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, olive, FINE SAND AND SILT, some fine gravel. | | 0 |
| | SB-162 (1-2) | | | | | | | | CONCRETE AND WOOD DEBRIS | | 1 |
| | SB-162 (2-3) | | | | | | | | Dry, black, COARSE SAND AND FINE GRAVEL, some coal, ash and slag. | | 2 |
| | SB-162 (3-4) | | | | | | | | Dry, brown/dark-brown, FINE AND MEDIUM SAND, trace fine gravel. | | 3 |
| | | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 8, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-163**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-163 (0-1) | | | 3.2/5.0 | | | | 0 | Dry, olive-grey, FINE AND MEDIUM SAND, little fine gravel. | | 0 |
| | SB-163 (1-2) | | | | | | | | | | 1 |
| | | | | | | | | | Dry, black, FINE AND MEDIUM SAND, some slag and ash, little fine gravel. | | 2 |
| | SB-163 (2-3) | | | | | | | | | | |
| | SB-163 (3-4) | | | | | | | | Dry, brown, MEDIUM AND COARSE SAND. | | 3 |
| | | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
Consultants

400 Wampanoag Trail
Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 9, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-164**

Depth to Water (ft): 6.0'
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-164 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, black, COARSE SAND, little fine gravel, some coal, ash and slag. | | 0 |
| | SB-164 (1-2) | | | | | | | | | | 1 |
| | SB-164 (2-3) | | | | | | | | Dry to wet, brown, FINE SAND, some medium sand, trace fine gravel. | | 2 |
| | SB-164 (3-4) | | | | | | | | | | 3 |
| | SB-164 (4-5) | | | | | | | | | | 4 |
| 5 | SB-164 (5-6) | | | 3.0/3.0 | | | | -5 | | | 5 |
| | SB-164 (6-7) | | | | | | | | | | 6 |
| | SB-164 (7-8) | | | | | | | | | | 7 |
| | | | | | | | | | | | 8 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 9, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-165**

Depth to Water (ft): NM
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-165 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, brown, FINE AND MEDIUM SAND, trace fine gravel. | | 0 |
| | SB-165 (1-2) | | | | | | | | Dry, black, COARSE SAND AND FINE GRAVEL, some coal, ash, and glass. | | 1 |
| | SB-165 (2-3) | | | | | | | | | | 2 |
| | SB-165 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | Dry, brown, COARSE SAND, some medium sand, trace coal as 1" thick layers. | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 9, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-166**

Depth to Water (ft): NM
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-166 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, dark brown, LOAM. | | 0 |
| | | | | | | | | | Dry, light brown, MEDIUM AND COARSE SAND. | | 1 |
| | SB-166 (1-2) | | | | | | | | Dry, black, COARSE SAND, some coal, slag and ash. | | 2 |
| | SB-166 (2-3) | | | | | | | | | | |
| | | | | | | | | | Dry, brown, MEDIUM AND COARSE SAND, some fine sand, little fine gravel. | | 3 |
| | SB-166 (3-4) | | | | | | | | | | |
| | | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): June 9, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-167**

Depth to Water (ft): NM
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-167 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, dark brown, SILT AND FINE SAND, trace fine gravel. | | 0 |
| | SB-167 (1-2) | | | | | | | | Dry, yellowish-orange, COARSE SAND, little fine gravel. | | 1 |
| | SB-167 (2-3) | | | | | | | | Dry, dark brown, SILT AND FINE SAND, trace coarse sand and fine gravel. | | 2 |
| | SB-167 (3-4) | | | | | | | | Dry to moist, brown, MEDIUM AND COARSE SAND, little fine gravel, trace silt. (Mosit at 4.7') | | 3 |
| | | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | | | 5 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 5, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-168**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-168 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, brown, FINE SAND AND SILT, little fine gravel, trace organics. | | 0 |
| | SB-168 (1-2) | | | | | | | | Dry, brown, FINE SAND AND SILT, little fine gravel. | | 1 |
| | SB-168 (2-3) | | | | | | | | Dry, brown, FINE SAND AND SILT, little fine gravel, trace brick. | | 2 |
| | SB-168 (3-4) | | | | | | | | Dry, brown, FINE SAND AND SILT, little fine gravel. | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 5, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-169**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-169 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, little fine gravel, trace organics. | | 0 |
| | SB-169 (1-2) | | | | | | | | Dry, brown, FINE SAND AND SILT, little fine gravel. | | 1 |
| | SB-169 (2-3) | | | | | | | | Dry, brown, FINE SAND AND SILT, little fine gravel. | | 2 |
| | SB-169 (3-4) | | | | | | | | Dry, dark brown, FINE SAND AND SILT, little fine gravel. | | 3 |
| | | | | | | | | | | | 4 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 4, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-171**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-171 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, some fine gravel. | | 0 |
| | SB-171 (1-2) | | | | | | | | Dry, light brown, FINE SAND AND SILT, some fine gravel. | | 1 |
| | SB-171 (2-3) | | | | | | | | Dry, brown, FINE SAND AND SILT, little fine gravel. | | 2 |
| | SB-171 (3-4) | | | | | | | | Dry, brown, FINE SAND AND SILT, little fine gravel. | | 3 |
| | | | | | | | | | | | 4 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 4, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-172**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-172 (0-1) | | | | | | | 0 | Dry, light brown, FINE SAND AND SILT, some fine gravel, trace organics. | | 0 |
| | SB-172 (1-2) | | | | | | | | Dry, light brown, FINE SAND AND SILT, little fine gravel. | | 1 |
| | SB-172 (2-3) | | | | | | | | Dry, dark brown, FINE SAND AND SILT, little fine gravel. | | 2 |
| | SB-172 (3-4) | | | | | | | | Dry, dark brown, FINE SAND AND SILT, little fine gravel trace brick. | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 4, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-173**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-173 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, some fine gravel, trace organics. | | 0 |
| | SB-173 (1-2) | | | | | | | | Dry, light brown, FINE SAND AND SILT, some fine gravel, trace organics. | | 1 |
| | SB-173 (2-3) | | | | | | | | Dry, dark brown, FINE AND MEDIUM SAND, little fine gravel, trace asphalt and wood. | | 2 |
| | SB-173 (3-4) | | | | | | | | Dry, light brown, FINE AND MEDIUM SAND, trace fine gravel. | | 3 |
| | SB-173 (4-5) | | | | | | | | Dry, dark brown/black, FINE SAND AND SILT, little clay, trace fine gravel. | | 4 |
| 5 | SB-173 (5-6) | | | 3.0/3.0 | | | | -5 | Dry, grey/yellowish-orange, SILT AND CLAY, trace fine sand. | | 5 |
| | | | | | | | | | | | 6 |
| | | | | | | | | | | | 7 |
| | | | | | | | | | | | 8 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
Consultants

400 Wampanoag Trail
Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 4, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-174**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-174 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, some fine gravel, trace organics. | | 0 |
| | SB-174 (1-2) | | | | | | | | Dry, light brown, FINE SAND AND SILT, some fine gravel, trace organics. | | 1 |
| | SB-174 (2-3) | | | | | | | | Dry, dark brown, FINE AND MEDIUM SAND, little fine gravel, trace asphalt and wood. | | 2 |
| | SB-174 (3-4) | | | | | | | | Dry, light brown, FINE AND MEDIUM SAND, trace fine gravel. | | 3 |
| | | | | | | | | | | | 4 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 4, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-175**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-175 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, little fine gravel, trace organics. | | 0 |
| | SB-175 (1-2) | | | | | | | | Dry, light brown, FINE SAND AND SILT, some fine gravel, trace asphalt. | | 1 |
| | SB-175 (2-3) | | | | | | | | Dry, dark brown, FINE SAND AND SILT, some fine gravel, trace asphalt. | | 2 |
| | SB-175 (3-4) | | | | | | | | Dry, brown, FINE SAND AND SILT, some fine gravel, trace asphalt. | | 3 |
| | SB-175 (4-5) | | | | | | | | Dry, brown, FINE SAND AND SILT, some fine gravel, trace asphalt. | | 4 |
| 5 | SB-175 (5-6) | | | 5.0/5.0 | | | | -5 | Dry, dark brown, FINE SAND AND SILT, some fine gravel. | | 5 |
| | SB-175 (6-7) | | | | | | | | Dry, dark brown/black, FINE SAND AND SILT, little fine gravel, trace medium and coarse sand, trace asphalt. | | 6 |
| | SB-175 (7-8) | | | | | | | | Dry, light brown, FINE AND MEDIUM SAND, some fine gravel, trace silt. | | 7 |
| | | | | | | | | | | | 8 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 4, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-176**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-176 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, little fine gravel, trace organics. | | 0 |
| | SB-176 (1-2) | | | | | | | | Dry, light brown, FINE SAND AND SILT, some fine gravel. | | 1 |
| | SB-176 (2-3) | | | | | | | | Dry, dark brown, FINE SAND AND SILT, little fine gravel, trace asphalt. | | 2 |
| | SB-176 (3-4) | | | | | | | | Dry, dark brown, FINE SAND AND SILT, trace fine gravel, trace asphalt. | | 3 |
| | SB-176 (4-5) | | | | | | | | Dry, dark brown/black, FINE SAND AND SILT, little fine gravel, trace ash. | | 4 |
| 5 | SB-176 (5-6) | | | 4.0/5.0 | | | | -5 | Dry, orange/brown, FINE SAND AND SILT, little fine gravel. | | 5 |
| | SB-176 (6-7) | | | | | | | | Dry, light brown, FINE SAND AND SILT, trace fine gravel. | | 6 |
| | SB-176 (7-8) | | | | | | | | Dry, light brown, FINE SAND AND SILT, some fine gravel. | | 7 |
| | | | | | | | | | | | 8 |

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

# BORING AND WELL CONSTRUCTION LOG

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Scientists
Consultants

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Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 4, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-177**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-177 (0-1) | | | | | | | 0 | Dry, light brown, FINE SAND AND SILT, some fine gravel, trace ashpalt. | | 0 |
| | SB-177 (1-2) | | | | | | | | Dry, light brown, FINE SAND AND SILT, little fine gravel, trace asphalt. | | 1 |
| | SB-177 (2-3) | | | | | | | | Dry, light brown, FINE SAND AND SILT, trace fine gravel, brick and asphalt. | | 2 |
| | SB-177 (3-4) | | | | | | | | Dry, FINE SAND AND SILT, some fine gravel, trace wood, asphalt and creosote wood. | | 3 |
| | SB-177 (4-5) | | | | | | | | Dry, dark brown, FINE SAND AND SILT, some fine gravel. | | 4 |
| 5 | SB-177 (5-6) | | | | | | | -5 | Dry, orange-gray, SILT AND CLAY, trace fine sand. | | 5 |
| | SB-177 (6-7) | | | | | | | | Dry, light brown, FINE SAND AND SILT, some fine gravel. | | 6 |
| | SB-177 (7-8) | | | | | | | | Dry, light brown, FINE SAND AND SILT, some fine gravel. | | 7 |
| | | | | | | | | | | | 8 |

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 4, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-178**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-178 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, trace fine gravel and organics. | | 0 |
| | SB-178 (1-2) | | | | | | | | Dry, light brown, FINE SAND AND SILT, trace medium sand and fine gravel. | | 1 |
| | SB-178 (2-3) | | | | | | | | Dry, light brown, FINE SAND AND SILT, trace fine gravel. | | 2 |
| | SB-178 (3-4) | | | | | | | | Dry, FINE SAND AND SILT, little fine gravel. | | 3 |
| | | | | | | | | | | | 4 |

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 4, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-179**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-179 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, little fine gravel and organics. | | 0 |
| | SB-179 (1-2) | | | | | | | | Dry, light brown, FINE SAND AND SILT, little fine gravel. | | 1 |
| | SB-179 (2-3) | | | | | | | | Dry, light brown, FINE SAND AND SILT, some fine gravel. | | 2 |
| | SB-179 (3-4) | | | | | | | | Dry, light brown, FINE SAND AND SILT, some fine gravel. | | 3 |
| | | | | | | | | | | | 4 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Rhode Island
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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 4, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-180**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-180 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, trace fine gravel and organics. | | 0 |
| | SB-180 (1-2) | | | | | | | | Dry, light brown, FINE SAND AND SILT,trace fine gravel. | | 1 |
| | SB-180 (2-3) | | | | | | | | Dry, light brown, FINE SAND AND SILT,trace fine gravel. | | 2 |
| | SB-180 (3-4) | | | | | | | | Dry, light brown, FINE SAND AND SILT, some fine gravel. | | 3 |
| | | | | | | | | | | | 4 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 4, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-181**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-181 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, some fine gravel, trace organics. | | 0 |
| | SB-181 (1-2) | | | | | | | | Dry, brown, FINE SAND AND SILT, little fine gravel, trace organics. | | 1 |
| | SB-181 (2-3) | | | | | | | | Dry, light brown, FINE SAND AND SILT,little fine gravel. | | 2 |
| | SB-181 (3-4) | | | | | | | | Dry, brown, FINE SAND AND SILT, little fine gravel, trace ash and brick. | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
Consultants

400 Wampanoag Trail
Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 4, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-182**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-182 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, brown, FINE SAND AND SILT, little fine gravel, trace organics. | | 0 |
| | SB-182 (1-2) | | | | | | | | Dry, light brown/black, FINE SAND AND SILT,some fine gravel, trace brick. | | 1 |
| | SB-182 (2-3) | | | | | | | | Dry, black/light-brown, FINE SAND AND SILT, some fine gravel, trace brick. | | 2 |
| | SB-182 (3-4) | | | | | | | | Dry, brown, FINE SAND AND SILT, little fine gravel, trace ash and brick. | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 4, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-183**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-183 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT,some fine gravel, trace organics. | | 0 |
| | SB-183 (1-2) | | | | | | | | Dry, brown, FINE SAND AND SILT, some fine gravel. | | 1 |
| | SB-183 (2-3) | | | | | | | | Dry, brown, FINE SAND AND SILT, little medium sand, trace fine gravel. | | 2 |
| | SB-183 (3-4) | | | | | | | | Dry, brown, FINE SAND AND SILT, some fine gravel, trace brick. | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 5, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-184**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-184 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT,little fine gravel, trace organics. | | 0 |
| | SB-184 (1-2) | | | | | | | | Dry, light brown, FINE SAND AND SILT,little fine gravel, trace organics. | | 1 |
| | SB-184 (2-3) | | | | | | | | Dry, dark brown, FINE SAND AND SILT, some fine gravel. | | 2 |
| | SB-184 (3-4) | | | | | | | | Dry, brown, FINE SAND AND SILT, little fine gravel, trace medium sand. | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 5, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-185**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-185 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, trace fine gravel, trace organics. | | 0 |
| | SB-185 (1-2) | | | | | | | | Dry, light brown, FINE SAND AND SILT, some fine gravel. | | 1 |
| | SB-185 (2-3) | | | | | | | | Dry, brown, FINE SAND AND SILT, some fine gravel, trace medium sand. | | 2 |
| | SB-185 (3-4) | | | | | | | | Dry, brown, FINE SAND AND SILT, some fine gravel. | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 5, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-186**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-186 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, trace coarse sand and organics. | | 0 |
| | SB-186 (1-2) | | | | | | | | Dry, light brown, FINE SAND AND SILT, trace shell. | | 1 |
| | SB-186 (2-3) | | | | | | | | Dry, brown, FINE SAND AND SILT, trace fine gravel. | | 2 |
| | SB-186 (3-4) | | | | | | | | Dry, brown, FINE SAND AND SILT, trace fine gravel. | | 3 |
| | | | | | | | | | | | 4 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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East Providence
Rhode Island
02915

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f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 5, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-187**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-187 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, trace fine gravel and organics. | | 0 |
| | SB-187 (1-2) | | | | | | | | Dry, brown, FINE SAND AND SILT, some fine gravel. | | 1 |
| | SB-187 (2-3) | | | | | | | | Dry, brown, FINE SAND AND SILT, some fine gravel, trace ash. | | 2 |
| | SB-187 (3-4) | | | | | | | | Dry, black/light-brown, FINE SAND AND SILT, trace fine gravel. | | 3 |
| | | | | | | | | | | | 4 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 5, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-188**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-188 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, trace fine gravel and organics. | | 0 |
| | SB-188 (1-2) | | | | | | | | Dry, brown, FINE SAND AND SILT, some fine gravel. | | 1 |
| | SB-188 (2-3) | | | | | | | | Dry, brown, FINE SAND AND SILT, some fine gravel. | | 2 |
| | SB-188 (3-4) | | | | | | | | Dry, brown, FINE SAND AND SILT, little fine gravel, trace medium sand. | | 3 |
| | | | | | | | | | | | 4 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 4, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-189**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-189 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, little fine gravel, trace organics. | | 0 |
| | SB-189 (1-2) | | | | | | | | Dry, brown, FINE SAND AND SILT, trace fine gravel. | | 1 |
| | SB-189 (2-3) | | | | | | | | Dry, brown, FINE SAND AND SILT, little fine gravel. | | 2 |
| | SB-189 (3-4) | | | | | | | | Dry, black, FINE SAND AND SILT, some fine gravel. | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Client Name: McAllister Towing
Date(s): August 5, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-190**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-190 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, little fine gravel, trace organics. | | 0 |
| | SB-190 (1-2) | | | | | | | | Dry, brown, FINE SAND AND SILT, trace fine gravel. | | 1 |
| | SB-190 (2-3) | | | | | | | | Dry, brown, FINE SAND AND SILT, trace fine gravel and brick. | | 2 |
| | SB-190 (3-4) | | | | | | | | Dry, brown, FINE SAND AND SILT, some fine gravel. | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
Consultants

400 Wampanoag Trail
Suite 400
East Providence
Rhode Island
02915

p 401.330.5560
f 401.434.8158

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 5, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-191**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-191 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, little fine gravel, trace organics. | | 0 |
| | SB-191 (1-2) | | | | | | | | Dry, brown, FINE SAND AND SILT, some fine gravel. | | 1 |
| | SB-191 (2-3) | | | | | | | | Dry, brown/black, FINE SAND AND SILT, some fine gravel, trace medium sand. | | 2 |
| | SB-191 (3-4) | | | | | | | | Dry, black/brown, FINE SAND AND SILT, some fine gravel. | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 5, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-192**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-192 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, little fine gravel, trace organics. | | 0 |
| | SB-192 (1-2) | | | | | | | | Dry, brown, FINE SAND AND SILT, some fine gravel, trace brick. | | 1 |
| | SB-192 (2-3) | | | | | | | | Dry, black, FINE SAND AND SILT, little fine gravel, trace creosote wood. | | 2 |
| | SB-192 (3-4) | | | | | | | | Dry, black/brown, FINE SAND AND SILT, some fine gravel. | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 5, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-193**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-193 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, trace fine gravel and organics. | | 0 |
| | SB-193 (1-2) | | | | | | | | Dry, light brown, FINE SAND AND SILT, some fine gravel. | | 1 |
| | SB-193 (2-3) | | | | | | | | Dry, brown/dark-brown, FINE SAND AND SILT, little fine gravel, trace medium sand. | | 2 |
| | SB-193 (3-4) | | | | | | | | Dry, black/brown, FINE SAND AND SILT, some fine gravel. | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): August 5, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: Alvarez

**Boring/Well No: SB-194**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-194 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, light brown, FINE SAND AND SILT, little fine gravel and organics. | | 0 |
| | SB-194 (1-2) | | | | | | | | Dry, light brown, FINE SAND AND SILT, trace fine gravel. | | 1 |
| | SB-194 (2-3) | | | | | | | | Dry, dark-brown/black, FINE SAND AND SILT, trace medium-coarse sand, ash and metal fragments | | 2 |
| | SB-194 (3-4) | | | | | | | | Dry, black, FINE SAND AND SILT, trace fine gravel and ash. | | 3 |
| | | | | | | | | | | | 4 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
Consultants

888 Worcester Street
Suite 240
Wellesley
Massachusetts
02482

p 781.431.0500
f 781.431.7434

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-195**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-195 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, brown, FINE SAND, little fine gravel, trace silt, trace ash. | | 0 |
| | SB-195 (1-2) | | | | | | | | | | 1 |
| | SB-195 (2-3) | | | | | | | | | | 2 |
| | SB-195 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-196**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-196 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, brown, FINE SAND AND SILT, little fine gravel, trace ash, trace medium sand. | | 0 |
| | SB-196 (1-2) | | | | | | | | | | 1 |
| | SB-196 (2-3) | | | | | | | | | | 2 |
| | SB-196 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1]GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-197**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-197 (0-1) | | | 3.5/4.0 | | | | 0 | Dry, brown, FINE SAND, little fine gravel, trace silt, trace ash, trace slag, trace concrete. | | 0 |
| | SB-197 (1-2) | | | | | | | | | | 1 |
| | SB-197 (2-3) | | | | | | | | | | 2 |
| | SB-197 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-198**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-198 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, brown, FINE SAND AND SILT, little medium sand, trace fine gravel, trace brick, trace ash, trace slag. | | 0 |
| | SB-198 (1-2) | | | | | | | | | | 1 |
| | SB-198 (2-3) | | | | | | | | | | 2 |
| | SB-198 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1]GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Date(s): September 23, 2011
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Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-199**

Depth to Water (ft): ~ 7.0
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | 2.9/4.0 | | | | 0 | Concrete | | 0 |
| | SB-199 (0.5-1.5) | | | | | | | | Dry, brown, FINE SAND AND SILT, trace fine gravel. | | 1 |
| | SB-199 (1.5-2.5) | | | | | | | | Concrete | | |
| | | | | | | | | | Dry, brown, FINE AND MEDIUM SAND, trace fine gravel, trace ash, trace slag, trace coarse gravel. | | 2 |
| | SB-199 (2.5-3.5) | | | | | | | | | | 3 |
| | SB-199 (3.5-4.5) | | | | | | | | | | |
| | | | | 3.0/4.0 | | | | | Dry, dark brown, FINE AND MEDIUM SAND, some fine gravel, trace slag. | | 4 |
| 5 | | | | | | | | -5 | | | 5 |
| | | | | | | | | | Moist to wet, brown, FINE SAND AND SILT, trace medium sand. | | 6 |
| | | | | | | | | | | | 7 |
| | | | | | | | | | | | 8 |

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1]GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

Concrete pad approximately 6" thick in boring location. Extra sleeve pushed for sample volume of last interval.

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
Consultants

888 Worcester Street
Suite 240
Wellesley
Massachusetts
02482

p 781.431.0500
f 781.431.7434

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-200**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | 3.0/5.0 | | | | 0 | Concrete | | 0 |
| | SB-200 (0.5-1.5) | | | | | | | | Dry, brown, FINE SAND AND SILT, trace fine gravel. | | 1 |
| | SB-200 (1.5-2.5) | | | | | | | | | | 2 |
| | SB-200 (2.5-3.5) | | | | | | | | | | 3 |
| | SB-200 (3.5-4.5) | | | | | | | | | | 4 |
| 5 | | | | | | | | -5 | Dry, dark brown, FINE SAND, little fine gravel, trace ash, trace slag. | | 5 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-201**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-201 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, brown, FINE SAND AND SILT, little fine gravel, trace organics, trace wood. | | 0 |
| | SB-201 (1-2) | | | | | | | | | | 1 |
| | SB-201 (2-3) | | | | | | | | | | 2 |
| | SB-201 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1]GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-202**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-202 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, brown, FINE SAND AND SILT, little fine gravel, trace ash, trace slag, trace organics, trace wood. Decaying organic odor. | | 0 |
| | SB-202 (1-2) | | | | | | | | | | 1 |
| | SB-202 (2-3) | | | | | | | | | | 2 |
| | SB-202 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1]GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-203**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-203 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, brown, FINE SAND AND SILT, trace organics, trace fine gravel. | | 0 |
| | SB-203 (1-2) | | | | | | | | | | 1 |
| | SB-203 (2-3) | | | | | | | | | | 2 |
| | SB-203 (3-4) | | | | | | | | Dry, dark brown, FINE SAND AND SILT, trace brick, trace concrete, trace ash. | | 3 |
| | | | | | | | | | | | 4 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-204**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-204 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, brown, FINE SAND AND SILT, trace medium sand, trace organics. | | 0 |
| | SB-204 (1-2) | | | | | | | | | | 1 |
| | SB-204 (2-3) | | | | | | | | | | 2 |
| | SB-204 (3-4) | | | | | | | | | | 3 |
| | SB-204 (4-5) | | | 3.0/4.0 | | | | | | | 4 |
| 5 | SB-204 (5-6) | | | | | | | -5 | Dry, dark brown, FINE SAND AND SILT, trace coarse gravel, trace ash. | | 5 |
| | SB-204 (6-7) | | | | | | | | | | 6 |
| | SB-204 (7-8) | | | | | | | | | | 7 |
| | | | | | | | | | | | 8 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1]GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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f 781.431.7434

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-205**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-204 (0-1) | | | 3.0/4.0 | | | | 0 | Dry, brown, FINE SAND AND SILT, little fine gravel, trace wood. | | 0 |
| | SB-204 (1-2) | | | | | | | | | | 1 |
| | SB-204 (2-3) | | | | | | | | | | 2 |
| | SB-204 (3-4) | | | | | | | | | | 3 |
| | SB-204 (4-5) | | | 3.0/4.0 | | | | | | | 4 |
| 5 | SB-204 (5-6) | | | | | | | -5 | | | 5 |
| | SB-204 (6-7) | | | | | | | | | | 6 |
| | SB-204 (7-8) | | | | | | | | Moist, gray, SILT AND CLAY, trace fine sand,trace fine gravel. | | 7 |
| | | | | | | | | | | | 8 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1]GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

Collected the following QA/QC samples;
SB-205 (3-4) MS
SB-205 (3-4) MSD
SB-5205 (6-7) - duplicate

# BORING AND WELL CONSTRUCTION LOG

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-206**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-205 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, brown, FINE AND MEDIUM SAND, little fine gravel, trace asphalt, trace slag, trace silt. | | 0 |
| | SB-205 (1-2) | | | | | | | | | | 1 |
| | SB-205 (2-3) | | | | | | | | | | 2 |
| | SB-205 (3-4) | | | | | | | | | | 3 |
| | SB-205 (4-5) | | | 3.0/4.0 | | | | | | | 4 |
| 5 | SB-205 (5-6) | | | | | | | -5 | | | 5 |
| | SB-205 (6-7) | | | | | | | | | | 6 |
| | SB-205 (7-8) | | | | | | | | Moist, dark brown, FINE SAND AND SILT, little fine gravel, trace ash. Moderate petroleum odor. | | 7 |
| | | | | | | | | | | | 8 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-207**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-207 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, brown, FINE SAND AND SILT, little fine gravel, trace metal, trace plastic. | | 0 |
| | SB-207 (1-2) | | | | | | | | | | 1 |
| | SB-207 (2-3) | | | | | | | | | | 2 |
| | SB-207 (3-4) | | | | | | | | | | 3 |
| | SB-207 (4-5) | | | 3.0/4.0 | | | | | Dry, black, FINE AND MEDIUM SAND, some fine gravel, trace ash, trace slag. | | 4 |
| 5 | SB-207 (5-6) | | | | | | | -5 | Dry, brown, FINE SAND, trace silt, trace fine gravel. | | 5 |
| | SB-207 (6-7) | | | | | | | | Moist, gray, SILT AND CLAY, trace fine sand. | | 6 |
| | SB-207 (7-8) | | | | | | | | Moist, brown, FINE AND MEDIUM SAND, some fine gravel, trace silt. | | 7 |
| | | | | | | | | | | | 8 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ESS Group, Inc.
Engineers
Scientists
Consultants

888 Worcester Street
Suite 240
Wellesley
Massachusetts
02482

p 781.431.0500
f 781.431.7434

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-208**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-208 (0-1) | | | 3.5/4.0 | | | | 0 | Dry, brown, FINE SAND AND SILT, trace concrete, trace fine gravel. | | 0 |
| | SB-208 (1-2) | | | | | | | | | | 1 |
| | SB-208 (2-3) | | | | | | | | | | 2 |
| | SB-208 (3-4) | | | | | | | | | | 3 |
| | SB-208 (4-5) | | | 3.0/4.0 | | | | | Concrete | | 4 |
| 5 | SB-208 (5-6) | | | | | | | -5 | Dry, brown, FINE SAND, trace ash, trace fine gravel. | | 5 |
| | SB-208 (6-7) | | | | | | | | Moist, gray, SILT AND CLAY, trace fine sand. | | 6 |
| | SB-208 (7-8) | | | | | | | | Moist, brown, FINE AND MEDIUM SAND, little fine gravel, trace silt. Light petroleum odor at bottom. | | 7 |
| | | | | | | | | | | | 8 |

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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f 781.431.7434

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-209**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-209 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, brown, FINE SAND, little fine gravel, trace silt. | | 0 |
| | SB-209 (1-2) | | | | | | | | | | 1 |
| | SB-209 (2-3) | | | | | | | | Concrete | | 2 |
| | SB-209 (3-4) | | | | | | | | Dry, brown, FINE AND MEDIUM SAND, little fine gravel, trace silt. | | 3 |
| | SB-209 (4-5) | | | 3.0/4.0 | | | | | | | 4 |
| 5 | SB-209 (5-6) | | | | | | | -5 | | | 5 |
| | SB-209 (6-7) | | | | | | | | Moist, gray, SILT AND CLAY, trace fine sand. | | 6 |
| | SB-209 (7-8) | | | | | | | | Moist, dark brown, FINE AND MEDIUM SAND, trace fine gravel, trace silt. Petroleum odor at bottom 6". | | 7 |
| | | | | | | | | | | | 8 |

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1]GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

SB-209 (6-7) MS
SB-209 (6-7) MSD
SB-5209 (1-2) - duplicate

# BORING AND WELL CONSTRUCTION LOG

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f 781.431.7434

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-210**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-210 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, brown, FINE SAND, little fine gravel, trace silt, trace organics. | | 0 |
| | SB-210 (1-2) | | | | | | | | | | 1 |
| | SB-210 (2-3) | | | | | | | | | | 2 |
| | SB-210 (3-4) | | | | | | | | | | 3 |
| | SB-210 (4-5) | | | 3.0/4.0 | | | | | | | 4 |
| 5 | SB-210 (5-6) | | | | | | | -5 | | | 5 |
| | SB-210 (6-7) | | | | | | | | Moist, gray, SILT AND CLAY, trace fine sand. | | 6 |
| | SB-210 (7-8) | | | | | | | | Moist, dark brown, FINE AND MEDIUM SAND, trace fine gravel, trace silt, trace ash. Petroleum odor at bottom 6". | | 7 |
| | | | | | | | | | | | 8 |

Materials Description
Soils: moisture, density[1], color, size, major and minor constituents[2]
Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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Consultants

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02482

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f 781.431.7434

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

Boring/Well No: **SB-210**
Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | | | | | | | | -10 | Soils: moisture, density[1], color, size, major and minor constituents[2]<br>Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing | | 8<br>9<br>10 |

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-211**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-211 (0-1) | | | 4.0/4.0 | | | | 0 | Dry, brown, FINE SAND, trace fine gravel, trace ash (4-4.5), trace silt, trace organics. | | 0 |
| | SB-211 (1-2) | | | | | | | | | | 1 |
| | SB-211 (2-3) | | | | | | | | | | 2 |
| | SB-211 (3-4) | | | | | | | | | | 3 |
| | SB-211 (4-5) | | | 3.0/4.0 | | | | | | | 4 |
| 5 | SB-211 (5-6) | | | | | | | -5 | | | 5 |
| | SB-211 (6-7) | | | | | | | | Moist, gray, SILT AND CLAY, trace fine sand. | | 6 |
| | SB-211 (7-8) | | | | | | | | Moist, dark brown, FINE AND MEDIUM SAND, little fine gravel, trace silt. Petroleum odor at bottom 6". | | 7 |
| | | | | | | | | | | | 8 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1]GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

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02482

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f 781.431.7434

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-212**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-212 (0-1) | | | 3.0/4.0 | | | | 0 | Concrete | | 0 |
| | SB-212 (1-2) | | | | | | | | Dry, brown, FINE SAND, little fine gravel, trace silt, trace ash. | | 1 |
| | SB-212 (2-3) | | | | | | | | | | 2 |
| | SB-212 (3-4) | | | | | | | | | | 3 |
| | SB-212 (4-5) | | | 3.0/4.0 | | | | | | | 4 |
| 5 | SB-212 (5-6) | | | | | | | -5 | Dry to moist, dark brown, FINE AND MEDIUM SAND, little fine gravel, trace coarse gravel, trace ash, trace slag. | | 5 |
| | SB-212 (6-7) | | | | | | | | | | 6 |
| | SB-212 (7-8) | | | | | | | | | | 7 |
| | | | | | | | | | Moist, gray, SILT AND CLAY, trace fine sand. | | 8 |

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-213**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-213 (0-1) | | | 2.5/4.0 | | | | 0 | Dry, brown, FINE SAND, trace fine gravel, trace brick, trace, organics. | | 0 |
| | SB-213 (1-2) | | | | | | | | | | 1 |
| | SB-213 (2-3) | | | | | | | | | | 2 |
| | SB-213 (3-4) | | | | | | | | | | 3 |
| | SB-213 (4-5) | | | 3.0/4.0 | | | | | Dry, black, FINE AND MEDIUM SAND, little fine gravel, trace ash, trace slag. | | 4 |
| 5 | SB-213 (5-6) | | | | | | | -5 | Dry, brown, FINE SAND AND SILT, trace fine gravel, trace medium sand. | | 5 |
| | SB-213 (6-7) | | | | | | | | Moist, gray, SILT AND CLAY, trace fine sand. | | 6 |
| | SB-213 (7-8) | | | | | | | | Moist, brown, FINE AND MEDIUM SAND, little fine gravel, trace silt, trace medium coarse sand. | | 7 |
| | | | | | | | | | | | 8 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1]GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

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Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): September 23, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-214**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (in) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-214 (0-1) | | | 3.0/4.0 | | | | 0 | Soils: moisture, density[1], color, size, major and minor constituents[2]<br>Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing<br>Dry, brown, FINE SAND AND SILT, little fine gravel, trace medium sand, trace concrete, trace slag. | | 0 |
| | SB-214 (1-2) | | | | | | | | | | 1 |
| | SB-214 (2-3) | | | | | | | | | | 2 |
| | SB-214 (3-4) | | | | | | | | | | 3 |
| | SB-214 (4-5) | | | 3.0/4.0 | | | | | | | 4 |
| 5 | SB-214 (5-6) | | | | | | | -5 | Perched water<br>Wet, brown, FINE SAND AND SILT, trace medium sand, trace ash. | | 5 |
| | SB-214 (6-7) | | | | | | | | | | 6 |
| | SB-214 (7-8) | | | | | | | | | | 7 |
| | | | | | | | | | | | 8 |

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured
NR: not recorded

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1]PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ess group

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): December 2, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-215**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-215 (0-1) | | | 3.0/5.0 | | | | 0 | Damp, brown, SILT AND SAND, some ash and slag. | | 0 |
| | SB-215 (1-2) | | | | | | | | | | 1 |
| | SB-215 (2-3) | | | | | | | | | | 2 |
| | SB-215 (3-4) | | | | | | | | CONCRETE | | 3 |
| | SB-215 (4-5) | | | | | | | | Moist, black, ASH AND SLAG | | 4 |
| 5 | SB-215 (5-6) | | | 3.0/3.0 | | | | -5 | | | 5 |
| | SB-215 (6-7) | | | | | | | | Damp, brown, SILT AND CLAY. | | 6 |
| | SB-215 (7-8) | | | | | | | | Damp, brown, SAND. | | 7 |
| | | | | | | | | | | | 8 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): December 2, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-216**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-216 (0-1) | | | 3.5/5.0 | | | | 0 | Dry, black, loamy, SAND. | | 0 |
| | SB-216 (1-2) | | | | | | | | Dry, brown, BRICK AND SAND, some shattered gravel. | | 1 |
| | SB-216 (2-3) | | | | | | | | | | 2 |
| | SB-216 (3-4) | | | | | | | | | | 3 |
| | SB-216 (4-5) | | | | | | | | | | 4 |
| 5 | SB-216 (5-6) | | | 3.0/3.0 | | | | -5 | Damp, black, ASH, some slag. | | 5 |
| | SB-216 (6-7) | | | | | | | | Damp, brown, SILT AND CLAY. | | 6 |
| | SB-216 (7-8) | | | | | | | | Damp, brown, SAND. | | 7 |
| | | | | | | | | | | | 8 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): December 2, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-217**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-217 (0-1) | | | 4.0/5.0 | | | | 0 | Damp, brown, SAND, some silt, trace fine gravel. | | 0 |
| | SB-217 (1-2) | | | | | | | | | | 1 |
| | SB-217 (2-3) | | | | | | | | | | 2 |
| | SB-217 (3-4) | | | | | | | | | | 3 |
| | SB-217 (4-5) | | | | | | | | | | 4 |
| 5 | SB-217 (5-6) | | | 3.0/3.0 | | | | -5 | Damp, black, ASH, some slag. | | 5 |
| | SB-217 (6-7) | | | | | | | | Damp, brown, SILT, some clay. | | 6 |
| | SB-217 (7-8) | | | | | | | | | | 7 |
| | | | | | | | | | Damp, brown, SAND. | | 8 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ess group

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): December 2, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-218**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-218 (0-1) | | | 3.0/5.0 | | | | 0 | Damp, brown, SAND, some silt, trace brick. | | 0 |
| | SB-218 (1-2) | | | | | | | | | | 1 |
| | SB-218 (2-3) | | | | | | | | | | 2 |
| | SB-218 (3-4) | | | | | | | | | | 3 |
| | SB-218 (4-5) | | | | | | | | | | 4 |
| 5 | SB-218 (5-6) | | | 3.0/3.0 | | | | -5 | Dry, black, ASH AND COAL. | | 5 |
| | SB-218 (6-7) | | | | | | | | Damp, brown, SILT, some clay, trace oyster shells. | | 6 |
| | SB-218 (7-8) | | | | | | | | Damp, brown, SAND | | 7 |
| | | | | | | | | | | | 8 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ess group

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): December 2, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-219**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-219 (0-1) | | | 4.5/5.0 | | | | 0 | Dry to damp, brown, SAND, little fine gravel. | | 0 |
| | SB-219 (1-2) | | | | | | | | | | 1 |
| | SB-219 (2-3) | | | | | | | | | | 2 |
| | SB-219 (3-4) | | | | | | | | Damp, light brown, FINE SAND. | | 3 |
| | SB-219 (4-5) | | | | | | | | Damp, black, ASH AND SLAG. | | 4 |
| 5 | SB-219 (5-6) | | | 3.0/3.0 | | | | -5 | | | 5 |
| | SB-219 (6-7) | | | | | | | | Damp, light to dark brown, FINE SAND AND SILT, trace fine gravel. | | 6 |
| | SB-219 (7-8) | | | | | | | | | | 7 |
| | | | | | | | | | | | 8 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ess group

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): December 2, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-220**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-220 (0-1) | | | 3.0/5.0 | | | | 0 | Damp, brown, loamy, SAND. | | 0 |
| | SB-220 (1-2) | | | | | | | | Damp, brown, SAND AND SILT, little fine gravel. | | 1 |
| | SB-220 (2-3) | | | | | | | | | | 2 |
| | SB-220 (3-4) | | | | | | | | | | 3 |
| | SB-220 (4-5) | | | | | | | | Damp, black, ASH AND SLAG, some coal. | | 4 |
| 5 | SB-220 (5-6) | | | 3.0/3.0 | | | | -5 | | | 5 |
| | SB-220 (6-7) | | | | | | | | Damp to wet, brown, SAND, some silt and fine gravel. | | 6 |
| | SB-220 (7-8) | | | | | | | | | | 7 |
| | | | | | | | | | | | 8 |

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ess group

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): December 2, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-221**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-221 (0-1) | | | 5.0/5.0 | | | | 0 | Damp, brown, FINE SAND AND SILT, little fine gravel | | 0 |
| | SB-221 (1-2) | | | | | | | | | | 1 |
| | SB-221 (2-3) | | | | | | | | | | 2 |
| | SB-221 (3-4) | | | | | | | | | | 3 |
| | SB-221 (4-5) | | | | | | | | | | 4 |
| 5 | SB-221 (5-6) | | | 3.0/3.0 | | | | -5 | Dry, black, ASH AND SLAG, little coal. | | 5 |
| | SB-221 (6-7) | | | | | | | | Damp to moist, SAND. | | 6 |
| | SB-221 (7-8) | | | | | | | | | | 7 |
| | | | | | | | | | | | 8 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ess group

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): December 2, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-222**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-222 (0-1) | | | 3.5/5.0 | | | | 0 | Damp. brown, loamy, SAND. | | 0 |
| | SB-222 (1-2) | | | | | | | | | | 1 |
| | | | | | | | | | CONCRETE | | 2 |
| | SB-222 (2-3) | | | | | | | | Dry, light brown, SAND, some conrete. | | |
| | SB-222 (3-4) | | | | | | | | Damp, light brown and black, SAND AND ASH (bedded). | | 3 |
| | SB-222 (4-5) | | | | | | | | | | 4 |
| 5 | SB-222 (5-6) | | | 3.0/3.0 | | | | -5 | Damp, black, ASH AND SLAG. | | 5 |
| | SB-222 (6-7) | | | | | | | | Damp, brown, SILT, some clay. | | 6 |
| | | | | | | | | | | | 7 |
| | SB-222 (7-8) | | | | | | | | Damp, brown, SAND. | | 8 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ess group

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): December 2, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-223**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-223 (0-1) | | | 3.5/5.0 | | | | 0 | Dry to damp. brown, loamy, SAND. | | 0 |
| | SB-223 (1-2) | | | | | | | | | | 1 |
| | SB-223 (2-3) | | | | | | | | CONCRETE | | 2 |
| | SB-223 (3-4) | | | | | | | | | | 3 |
| | SB-223 (4-5) | | | | | | | | Dry, black, ASH AND SLAG. | | 4 |
| 5 | SB-223 (5-6) | | | 3.0/3.0 | | | | -5 | Dry, brown, SAND, some fine gravel. | | 5 |
| | SB-223 (6-7) | | | | | | | | | | 6 |
| | SB-223 (7-8) | | | | | | | | | | 7 |
| | | | | | | | | | | | 8 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ess group

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): December 2, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-224**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-224 (0-1) | | | 3.5/5.0 | | | | 0 | Damp. brown, loamy, SAND. | | 0 |
| | SB-224 (1-2) | | | | | | | | | | 1 |
| | SB-224 (2-3) | | | | | | | | CONCRETE & ROCK, some brick | | 2 |
| | SB-224 (3-4) | | | | | | | | Damp, brown to black, ASH AND FINE SAND. | | 3 |
| | SB-224 (4-5) | | | | | | | | | | 4 |
| 5 | SB-224 (5-6) | | | 3.0/3.0 | | | | -5 | Dry, black, ASH AND SLAG. | | 5 |
| | | | | | | | | | Damp, brown, SILT AND FINE SAND. | | 6 |
| | SB-224 (6-7) | | | | | | | | | | 7 |
| | SB-224 (7-8) | | | | | | | | | | 8 |

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ess group

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): December 2, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-225**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-225 (0-1) | | | 3.5/5.0 | | | | 0 | Damp, brown, SILT AND SAND, little brick. | | 0 |
| | SB-225 (1-2) | | | | | | | | | | 1 |
| | SB-225 (2-3) | | | | | | | | Damp, brown and black, ASH AND FINE SAND, little fine gravel. | | 2 |
| | SB-225 (3-4) | | | | | | | | | | 3 |
| | SB-225 (4-5) | | | | | | | | | | 4 |
| 5 | SB-225 (5-6) | | | 2.5/3.0 | | | | -5 | Dry, black, ASH AND SLAG. | | 5 |
| | SB-225 (6-7) | | | | | | | | | | 6 |
| | | | | | | | | | Damp, grey, CLAY, some fine sand. | | 7 |
| | SB-225 (7-8) | | | | | | | | | | 8 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ess group

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): December 2, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-226**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-226 (0-1) | | | 2.5/5.0 | | | | 0 | Dry, loamy, SAND, trace brick. | | 0 |
| | SB-226 (1-2) | | | | | | | | | | 1 |
| | SB-226 (2-3) | | | | | | | | Dry, brown, SAND AND FINE GRAVEL. | | 2 |
| | SB-226 (3-4) | | | | | | | | | | 3 |
| | SB-226 (4-5) | | | | | | | | | | 4 |
| 5 | SB-226 (5-6) | | | 2.5/3.0 | | | | -5 | Dry to damp, black and red, BRICK AND ASH. | | 5 |
| | SB-226 (6-7) | | | | | | | | | | 6 |
| | | | | | | | | | Damp, brown, SILT AND CLAY. | | 7 |
| | SB-226 (7-8) | | | | | | | | | | 8 |

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): December 2, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-227**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-227 (0-1) | | | 4.0/5.0 | | | | 0 | CONCRETE | | 0 |
| | SB-227 (1-2) | | | | | | | | Black, dry, ASH AND SLAG, some brick. | | 1 |
| | SB-227 (2-3) | | | | | | | | | | 2 |
| | SB-227 (3-4) | | | | | | | | | | 3 |
| | SB-227 (4-5) | | | | | | | | | | 4 |
| 5 | SB-227 (5-6) | | | 2.5/3.0 | | | | -5 | Dry, brown, SAND AND FINE GRAVEL, trace brick. | | 5 |
| | SB-227 (6-7) | | | | | | | | | | 6 |
| | SB-227 (7-8) | | | | | | | | | | 7 |
| | | | | | | | | | | | 8 |

Materials Description

Soils: moisture, density[1], color, size, major and minor constituents[2]

Rock: color, rock type, hardness, major mineral types, weathering, and degree of fracturing

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ess group

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): December 2, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-228**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-228 (0-1) | | | 3.5/5.0 | | | | 0 | Damp, brown, loamy, SAND. | | 0 |
| | SB-228 (1-2) | | | | | | | | | | 1 |
| | SB-228 (2-3) | | | | | | | | CONCRETE | | 2 |
| | SB-228 (3-4) | | | | | | | | Damp, dark brown, FINE AND SILT, trace brick. | | 3 |
| | SB-228 (4-5) | | | | | | | | | | 4 |
| 5 | SB-228 (5-6) | | | 3.0/3.0 | | | | -5 | Damp, brown, MEDIUM SAND. | | 5 |
| | SB-228 (6-7) | | | | | | | | | | 6 |
| | SB-228 (7-8) | | | | | | | | | | 7 |
| | | | | | | | | | | | 8 |

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

ess group

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): December 2, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-229**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-229 (0-1) | | | 4.0/5.0 | | | | 0 | Dry to damp, dark brown, FINE SAND AND SILT, little fine gravel. | | 0 |
| | SB-229 (1-2) | | | | | | | | | | 1 |
| | SB-229 (2-3) | | | | | | | | | | 2 |
| | SB-229 (3-4) | | | | | | | | | | 3 |
| | | | | | | | | | Creosote WOOD | | |
| | SB-229 (4-5) | | | | | | | | Damp, dark brown, FINE SAND AND SILT, trace medium and coarse sand. | | 4 |
| 5 | SB-229 (5-6) | | | 2.0/3.0 | | | | -5 | | | 5 |
| | SB-229 (6-7) | | | | | | | | | | 6 |
| | SB-229 (7-8) | | | | | | | | | | 7 |
| | | | | | | | | | | | 8 |

**LEGEND:**
ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**
ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**
[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# BORING AND WELL CONSTRUCTION LOG

Site: 1 India Street - Providence, Rhode Island
Client Name: McAllister Towing
Date(s): December 2, 2011
Drilling Company: New England Geotechnical
Drilling Method: 2" Geoprobe
Sampling Method: Grab
ESS Observer: M.Phillips & J. Alvarez

**Boring/Well No: SB-230**

Depth to Water (ft): -
Well Diameter (inches): NA
Well Screen Slot Size: NA
Measuring Point: NM
Measuring Point Elevation: NA
Ground Surface Elevation: NM

| Depth bgs (ft.) | Sample or Run Designation | Sample Type | Blows per 6 inches or Core Run (time/ft.) | Recovery/Penetration (ft) | Rock Quality Designation | Screening Data PID (ppm) | Screening Data FID (ppm) | Depth (feet) | Materials Description | Graphical Log | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | SB-230 (0-1) | | | 4.0/5.0 | | | | 0 | Dry, dark brown/black, loamy, SAND. | | 0 |
| | SB-230 (1-2) | | | | | | | | | | 1 |
| | SB-230 (2-3) | | | | | | | | Damp, light brown, FINE SAND. | | 2 |
| | SB-230 (3-4) | | | | | | | | | | 3 |
| | SB-230 (4-5) | | | | | | | | Damp to moist, light to dark brown, FINE SAND, some fine gravel. | | 4 |
| 5 | SB-230 (5-6) | | | 3.0/3.0 | | | | -5 | | | 5 |
| | SB-230 (6-7) | | | | | | | | | | 6 |
| | SB-230 (7-8) | | | | | | | | | | 7 |
| | | | | | | | | | | | 8 |

**LEGEND:**

ND: not detected
N/A: not applicable
bgs: below ground surface
NM: not measured

SAMPLE TYPES:
D: drive
W: washed
TP: test pit
ST: Shelby Tube
A: auger
HA: hand auger
C: cored
RC: rotasonic core

**ROCK**

ROCK QUALITY DESIGNATION (RQD):
reported in % = [length of core in pieces 4" and longer/length of run] x 100

**SOIL**

[1] Density designation based on blow counts for each 12" of penetration using a 140 lb. wt x 30" drop on a 2" O.D. spilt spoon sampler. If blow counts are not taken then density may be estimated

[1] PLASTIC SOILS DENSITY:
0-2: very soft
3-4: soft
5-8: medium stiff
9-15: stiff
16-30: very stiff
>30: hard

MOISTURE:
dry
damp
moist
wet

[2] PROPORTIONS USED:
Trace: <10%
Little: 10-20%
Some: 20-35%
And: 35-50%

[1] GRANULAR SOILS DENSITY:
0-4: very loose
5-9: loose
10-29: medium dense
30-49: dense
50+: very dense

# Appendix C

## Laboratory Analytical Results (Provided on CD)

ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L0911346 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Project Name: | 1 INDIA ST. |
| Project Number: | Not Specified |
| Report Date: | 08/24/09 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0911346-01 | SB-13 (0'-2') | PROVIDENCE, RI | 08/12/09 09:30 |
| L0911346-02 | SB-13 (6'-8') | PROVIDENCE, RI | 08/12/09 09:30 |
| L0911346-03 | SB-14 (0'-2') | PROVIDENCE, RI | 08/12/09 10:30 |
| L0911346-04 | SB-14 (4'-5') | PROVIDENCE, RI | 08/12/09 10:30 |
| L0911346-05 | SB-15 (0'-2') | PROVIDENCE, RI | 08/12/09 11:30 |
| L0911346-06 | SB-15 (2'-4.5') | PROVIDENCE, RI | 08/12/09 11:30 |
| L0911346-07 | SB-18A (0'-2') | PROVIDENCE, RI | 08/14/09 12:30 |
| L0911346-08 | SB-18A (2'-5') | PROVIDENCE, RI | 08/14/09 12:30 |
| L0911346-09 | SB-18 (0'-2') | PROVIDENCE, RI | 08/14/09 11:30 |
| L0911346-10 | SB-18 (4'-5') | PROVIDENCE, RI | 08/14/09 11:30 |
| L0911346-11 | SB-19 (0'-4') | PROVIDENCE, RI | 08/14/09 14:00 |
| L0911346-12 | SB-19 (8'-10') | PROVIDENCE, RI | 08/14/09 14:00 |
| L0911346-13 | SB-20 (0'-2') | PROVIDENCE, RI | 08/14/09 10:30 |
| L0911346-14 | SB-20 (8'-10') | PROVIDENCE, RI | 08/14/09 10:30 |
| L0911346-15 | SB-21 (0'-2') | PROVIDENCE, RI | 08/12/09 15:00 |
| L0911346-16 | SB-21 (2'-5') | PROVIDENCE, RI | 08/12/09 15:00 |
| L0911346-17 | SB-22 (0'-3') | PROVIDENCE, RI | 08/14/09 11:00 |
| L0911346-18 | SB-22 (3'-5') | PROVIDENCE, RI | 08/14/09 11:00 |
| L0911346-19 | SB-25 (0'-3') | PROVIDENCE, RI | 08/12/09 09:00 |
| L0911346-20 | SB-25 (7'-8') | PROVIDENCE, RI | 08/12/09 09:00 |
| L0911346-21 | SB-17A (3'-5') | PROVIDENCE, RI | 08/14/09 13:30 |
| L0911346-22 | SB-17 (3'-5') | PROVIDENCE, RI | 08/14/09 13:00 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0911346 |
| **Project Number:** | Not Specified | **Report Date:** | 08/24/09 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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Sample Receipt

At the client's request, the sample identified as "SB-21 (3'-5')" on the chain of custody is reported as "SB-21 (2'-5')".

VOA vials were not received for samples "SB-21 (3'-5)" and "SB-25(7'-8')". The client confirmed that these vials were received by the laboratory on August 12, 2009, and placed on hold. They should not have been included on this chain of custody.

Samples "SB-17A (3'-5')" and "SB-17 (3'-5')" were received without the container for the Total Solids analysis. At the client's request, sample containers with the same client ID's, which were received on August 12, 2009, were utilized for Total Solids analysis.

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346
**Project Number:** Not Specified **Report Date:** 08/24/09

**Case Narrative (continued)**

Volatile Organics

The surrogate recovery for L0911346-08, -12, and -18 is above the acceptance criteria for 4-Bromofluorobenzene (141%, 142%, and 141%, respectively). Since the samples were non-detect for all target analytes, re-analysis is not required.

L0911346-10: The internal standard (IS) response for 1,4-Dichlorobenzene-d4 and the surrogate recovery for 4-Bromofluorobenzene (167%) were outside the acceptance criteria; however, re-analysis achieved similar results (4-Bromofluorobenzene at 151%). The results of both analyses are reported.

L0911346-14: The internal standard (IS) response for 1,4-Dichlorobenzene-d4 and the surrogate recovery for 4-Bromofluorobenzene (156%) were outside the acceptance criteria; however, re-analysis achieved similar results (4-Bromofluorobenzene at 154%). The results of both analyses are reported.

The surrogate recovery for the WG376069-3 Method Blank, associated with L0911346-21 and -22, is above the acceptance criteria for 4-Bromofluorobenzene (133%). Since the Method Blank was non-detect for all target analytes, re-analysis is not required.

The surrogate recovery for the WG376233-3 Method Blank, associated with L0911346-08, -10, -12, and -14, is above the acceptance criteria for 4-Bromofluorobenzene (133%). Since the Method Blank was non-detect for all target analytes, re-analysis is not required.

The surrogate recovery for the WG376233-6 Method Blank, associated with L0911346-10, -14, and -18, is above the acceptance criteria for 4-Bromofluorobenzene (140%). Since the sample was Method Blank for all target analytes, re-analysis is not required.

Semivolatile Organics

L0911346-01 has elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the sample and by the elevated concentrations of target compounds in the sample.

The surrogate recoveries for L0911346-01 are below the acceptance criteria for 2-Fluorophenol, Phenol-d6, Nitrobenzene-d5, 2-Fluorobiphenyl, 2,4,6-Tribromophenol and 4-Terphenyl-d14 (all at 0%) due to the dilutions required to quantitate the sample. Re-extraction is not required; therefore, the results of the original

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0911346 |
| **Project Number:** | Not Specified | **Report Date:** | 08/24/09 |

**Case Narrative (continued)**

analysis are reported.
L0911346-03 has elevated detection limits due to the dilution required by the sample matrix.
The WG375725-2 LCS recovery, associated with L0911346-01, -03, -05, -07, -09, -11, -13, -15, -17 and -19, was above the acceptance criteria for 2,4-Dinitrotoluene (97%); however, the associated samples were non-detect for this target compound. The results of the original analysis are reported.

PCB
L0911346-01, -03, -05, -09, -11, and -13 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.
L0911346-15 has elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the sample and by the elevated concentrations of target compounds in the sample.
L0911346-17 and -19 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.
The surrogate recoveries for L0911346-15 and -19 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the sample. Re-extraction is not required; therefore, the results of the original analysis are reported.
The surrogate recovery for L0911346-17 is above the individual acceptance criteria for Decachlorobiphenyl (167%), but within the overall method allowances.
The surrogate recovery for the WG376426-1 Method Blank and WG376426-3 LCSD, associated with L0911346-01, is above the individual acceptance criteria for Decachlorobiphenyl (155%/155%), but within the overall method allowances.

Pesticides
L0911346-09, -17, and -19 have elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the samples.

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0911346 |
| **Project Number:** | Not Specified | **Report Date:** | 08/24/09 |

**Case Narrative (continued)**

The surrogate recovery for L0911346-11 is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (23%), but within the overall method allowances.
The dual column RPD for L0911346-15 is above the acceptance criteria for 4,4'-DDT; however, obvious column interferences are present. Due to these interferences, the lower of the two values is reported for this compound. The results have been qualfied with a "P".
The surrogate recovery for the WG375637-2 LCS, associated with L0911346-07, -09, -11, -13, -15, -17 and -19, is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (27%), but within the overall method allowances.

Metals
L0911346-01, -03, -05, -07, -09, -11, and -19 have elevated detection limits for all analytes, except Mercury, due to the dilutions required by non-target analyte spectral interferences encountered during analysis.
L0911346-15 has elevated detection limits for all analytes, except Mercury, due to the dilution required by target and non-target analyte spectral interferences encountered during analysis.
The WG375968-4 MS recovery associated with L0911346-17 is above the acceptance criteria for Chromium (135%). A post digestion spike was performed with an acceptable recovery of 84%.
The WG375968-4 MS recovery for Lead (132%) associated with L0911346-17, is invalid because the sample concentration is greater than four times the spike amount added.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons

Title: Technical Director/Representative Date: 08/24/09

# ORGANICS

# VOLATILES

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-08 | Date Collected: | 08/14/09 12:30 |
| Client ID: | SB-18A (2'-5') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260B | | |
| Analytical Date: | 08/18/09 15:38 | | |
| Analyst: | BN | | |
| Percent Solids: | 84% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| Methylene chloride | ND | | ug/kg | 19 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 2.8 | 1 |
| Chloroform | ND | | ug/kg | 2.8 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.9 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 6.5 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.9 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 2.8 | 1 |
| Tetrachloroethene | ND | | ug/kg | 1.9 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.9 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 9.3 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.9 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.9 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.9 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.9 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.9 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 9.3 | 1 |
| Bromoform | ND | | ug/kg | 7.4 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.9 | 1 |
| Benzene | ND | | ug/kg | 1.9 | 1 |
| Toluene | ND | | ug/kg | 2.8 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.9 | 1 |
| Chloromethane | ND | | ug/kg | 9.3 | 1 |
| Bromomethane | ND | | ug/kg | 3.7 | 1 |
| Vinyl chloride | ND | | ug/kg | 3.7 | 1 |
| Chloroethane | ND | | ug/kg | 3.7 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.9 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.8 | 1 |
| Trichloroethene | ND | | ug/kg | 1.9 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 9.3 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 9.3 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-08 Date Collected: 08/14/09 12:30

Client ID: SB-18A (2'-5') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| 1,4-Dichlorobenzene | ND | | ug/kg | 9.3 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 3.7 | 1 |
| p/m-Xylene | ND | | ug/kg | 3.7 | 1 |
| o-Xylene | ND | | ug/kg | 3.7 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.9 | 1 |
| Dibromomethane | ND | | ug/kg | 19 | 1 |
| 1,4-Dichlorobutane | ND | | ug/kg | 19 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 19 | 1 |
| Styrene | ND | | ug/kg | 3.7 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 19 | 1 |
| Acetone | ND | | ug/kg | 19 | 1 |
| Carbon disulfide | ND | | ug/kg | 19 | 1 |
| 2-Butanone | ND | | ug/kg | 19 | 1 |
| Vinyl acetate | ND | | ug/kg | 19 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 19 | 1 |
| 2-Hexanone | ND | | ug/kg | 19 | 1 |
| Ethyl methacrylate | ND | | ug/kg | 19 | 1 |
| Acrylonitrile | ND | | ug/kg | 7.4 | 1 |
| Bromochloromethane | ND | | ug/kg | 9.3 | 1 |
| Tetrahydrofuran | ND | | ug/kg | 37 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 9.3 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 7.4 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 9.3 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.9 | 1 |
| Bromobenzene | ND | | ug/kg | 9.3 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.9 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.9 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 9.3 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 9.3 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 9.3 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 9.3 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 9.3 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.9 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.9 | 1 |
| Naphthalene | ND | | ug/kg | 9.3 | 1 |
| n-Propylbenzene | ND | | ug/kg | 1.9 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 9.3 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-08 Date Collected: 08/14/09 12:30

Client ID: SB-18A (2'-5') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 9.3 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 9.3 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 9.3 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 9.3 | 1 |
| Ethyl ether | ND | | ug/kg | 9.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 108 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | **141** | | 70-130 |
| Dibromofluoromethane | 94 | | 70-130 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-10 | Date Collected: | 08/14/09 11:30 |
| Client ID: | SB-18 (4'-5') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260B | | |
| Analytical Date: | 08/18/09 16:13 | | |
| Analyst: | BN | | |
| Percent Solids: | 84% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| Methylene chloride | ND | | ug/kg | 26 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 3.9 | 1 |
| Chloroform | ND | | ug/kg | 3.9 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 2.6 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 9.0 | 1 |
| Dibromochloromethane | ND | | ug/kg | 2.6 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 3.9 | 1 |
| Tetrachloroethene | ND | | ug/kg | 2.6 | 1 |
| Chlorobenzene | ND | | ug/kg | 2.6 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 13 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 2.6 | 1 |
| 1,1,1-Trichloroethane | 3.3 | | ug/kg | 2.6 | 1 |
| Bromodichloromethane | ND | | ug/kg | 2.6 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 2.6 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 2.6 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 13 | 1 |
| Bromoform | ND | | ug/kg | 10 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 2.6 | 1 |
| Benzene | ND | | ug/kg | 2.6 | 1 |
| Toluene | 6.6 | | ug/kg | 3.9 | 1 |
| Ethylbenzene | ND | | ug/kg | 2.6 | 1 |
| Chloromethane | ND | | ug/kg | 13 | 1 |
| Bromomethane | ND | | ug/kg | 5.2 | 1 |
| Vinyl chloride | ND | | ug/kg | 5.2 | 1 |
| Chloroethane | ND | | ug/kg | 5.2 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 2.6 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 3.9 | 1 |
| Trichloroethene | ND | | ug/kg | 2.6 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 13 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 13 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-10 Date Collected: 08/14/09 11:30

Client ID: SB-18 (4'-5') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| 1,4-Dichlorobenzene | ND | | ug/kg | 13 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 5.2 | 1 |
| p/m-Xylene | ND | | ug/kg | 5.2 | 1 |
| o-Xylene | 6.3 | | ug/kg | 5.2 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 2.6 | 1 |
| Dibromomethane | ND | | ug/kg | 26 | 1 |
| 1,4-Dichlorobutane | ND | | ug/kg | 26 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 26 | 1 |
| Styrene | ND | | ug/kg | 5.2 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 26 | 1 |
| Acetone | ND | | ug/kg | 26 | 1 |
| Carbon disulfide | ND | | ug/kg | 26 | 1 |
| 2-Butanone | ND | | ug/kg | 26 | 1 |
| Vinyl acetate | ND | | ug/kg | 26 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 26 | 1 |
| 2-Hexanone | ND | | ug/kg | 26 | 1 |
| Ethyl methacrylate | ND | | ug/kg | 26 | 1 |
| Acrylonitrile | ND | | ug/kg | 10 | 1 |
| Bromochloromethane | ND | | ug/kg | 13 | 1 |
| Tetrahydrofuran | ND | | ug/kg | 52 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 13 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 10 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 13 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 2.6 | 1 |
| Bromobenzene | ND | | ug/kg | 13 | 1 |
| n-Butylbenzene | ND | | ug/kg | 2.6 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 2.6 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 13 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 13 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 13 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 13 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 13 | 1 |
| Isopropylbenzene | ND | | ug/kg | 2.6 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 2.6 | 1 |
| Naphthalene | ND | | ug/kg | 13 | 1 |
| n-Propylbenzene | ND | | ug/kg | 2.6 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 13 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-10 Date Collected: 08/14/09 11:30

Client ID: SB-18 (4'-5') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 13 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 13 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 13 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 13 | 1 |
| Ethyl ether | ND | | ug/kg | 13 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 110 | | 70-130 |
| Toluene-d8 | 110 | | 70-130 |
| 4-Bromofluorobenzene | **167** | | 70-130 |
| Dibromofluoromethane | 96 | | 70-130 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L0911346-10 | R | Date Collected: | 08/14/09 11:30 |
| Client ID: | SB-18 (4'-5') | | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | | |
| Analytical Method: | 1,8260B | | | |
| Analytical Date: | 08/19/09 11:35 | | | |
| Analyst: | BN | | | |
| Percent Solids: | 84% | | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| Methylene chloride | ND | | ug/kg | 50 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 7.4 | 1 |
| Chloroform | ND | | ug/kg | 7.4 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 5.0 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 17 | 1 |
| Dibromochloromethane | ND | | ug/kg | 5.0 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 7.4 | 1 |
| Tetrachloroethene | ND | | ug/kg | 5.0 | 1 |
| Chlorobenzene | ND | | ug/kg | 5.0 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 25 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 5.0 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 5.0 | 1 |
| Bromodichloromethane | ND | | ug/kg | 5.0 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 5.0 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 5.0 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 25 | 1 |
| Bromoform | ND | | ug/kg | 20 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 5.0 | 1 |
| Benzene | ND | | ug/kg | 5.0 | 1 |
| Toluene | ND | | ug/kg | 7.4 | 1 |
| Ethylbenzene | ND | | ug/kg | 5.0 | 1 |
| Chloromethane | ND | | ug/kg | 25 | 1 |
| Bromomethane | ND | | ug/kg | 9.9 | 1 |
| Vinyl chloride | ND | | ug/kg | 9.9 | 1 |
| Chloroethane | ND | | ug/kg | 9.9 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 5.0 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 7.4 | 1 |
| Trichloroethene | ND | | ug/kg | 5.0 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 25 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 25 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-10 R Date Collected: 08/14/09 11:30

Client ID: SB-18 (4'-5') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| 1,4-Dichlorobenzene | ND | | ug/kg | 25 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 9.9 | 1 |
| p/m-Xylene | ND | | ug/kg | 9.9 | 1 |
| o-Xylene | ND | | ug/kg | 9.9 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 5.0 | 1 |
| Dibromomethane | ND | | ug/kg | 50 | 1 |
| 1,4-Dichlorobutane | ND | | ug/kg | 50 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 50 | 1 |
| Styrene | ND | | ug/kg | 9.9 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 50 | 1 |
| Acetone | ND | | ug/kg | 50 | 1 |
| Carbon disulfide | ND | | ug/kg | 50 | 1 |
| 2-Butanone | ND | | ug/kg | 50 | 1 |
| Vinyl acetate | ND | | ug/kg | 50 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 50 | 1 |
| 2-Hexanone | ND | | ug/kg | 50 | 1 |
| Ethyl methacrylate | ND | | ug/kg | 50 | 1 |
| Acrylonitrile | ND | | ug/kg | 20 | 1 |
| Bromochloromethane | ND | | ug/kg | 25 | 1 |
| Tetrahydrofuran | ND | | ug/kg | 99 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 25 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 20 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 25 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 5.0 | 1 |
| Bromobenzene | ND | | ug/kg | 25 | 1 |
| n-Butylbenzene | ND | | ug/kg | 5.0 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 5.0 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 25 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 25 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 25 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 25 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 25 | 1 |
| Isopropylbenzene | ND | | ug/kg | 5.0 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 5.0 | 1 |
| Naphthalene | ND | | ug/kg | 25 | 1 |
| n-Propylbenzene | ND | | ug/kg | 5.0 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 25 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-10 R Date Collected: 08/14/09 11:30

Client ID: SB-18 (4'-5') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 25 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 25 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 25 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 25 | 1 |
| Ethyl ether | ND | | ug/kg | 25 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 109 | | 70-130 |
| Toluene-d8 | 104 | | 70-130 |
| 4-Bromofluorobenzene | **151** | | 70-130 |
| Dibromofluoromethane | 96 | | 70-130 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-12 | Date Collected: | 08/14/09 14:00 |
| Client ID: | SB-19 (8'-10') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260B | | |
| Analytical Date: | 08/18/09 17:23 | | |
| Analyst: | BN | | |
| Percent Solids: | 90% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| Methylene chloride | ND | | ug/kg | 33 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 4.9 | 1 |
| Chloroform | ND | | ug/kg | 4.9 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 3.3 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 11 | 1 |
| Dibromochloromethane | ND | | ug/kg | 3.3 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 4.9 | 1 |
| Tetrachloroethene | ND | | ug/kg | 3.3 | 1 |
| Chlorobenzene | ND | | ug/kg | 3.3 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 16 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 3.3 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 3.3 | 1 |
| Bromodichloromethane | ND | | ug/kg | 3.3 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 3.3 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 3.3 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 16 | 1 |
| Bromoform | ND | | ug/kg | 13 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 3.3 | 1 |
| Benzene | ND | | ug/kg | 3.3 | 1 |
| Toluene | ND | | ug/kg | 4.9 | 1 |
| Ethylbenzene | ND | | ug/kg | 3.3 | 1 |
| Chloromethane | ND | | ug/kg | 16 | 1 |
| Bromomethane | ND | | ug/kg | 6.5 | 1 |
| Vinyl chloride | ND | | ug/kg | 6.5 | 1 |
| Chloroethane | ND | | ug/kg | 6.5 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 3.3 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 4.9 | 1 |
| Trichloroethene | ND | | ug/kg | 3.3 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 16 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 16 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-12 Date Collected: 08/14/09 14:00

Client ID: SB-19 (8'-10') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| 1,4-Dichlorobenzene | ND | | ug/kg | 16 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 6.5 | 1 |
| p/m-Xylene | ND | | ug/kg | 6.5 | 1 |
| o-Xylene | ND | | ug/kg | 6.5 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 3.3 | 1 |
| Dibromomethane | ND | | ug/kg | 33 | 1 |
| 1,4-Dichlorobutane | ND | | ug/kg | 33 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 33 | 1 |
| Styrene | ND | | ug/kg | 6.5 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 33 | 1 |
| Acetone | ND | | ug/kg | 33 | 1 |
| Carbon disulfide | ND | | ug/kg | 33 | 1 |
| 2-Butanone | ND | | ug/kg | 33 | 1 |
| Vinyl acetate | ND | | ug/kg | 33 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 33 | 1 |
| 2-Hexanone | ND | | ug/kg | 33 | 1 |
| Ethyl methacrylate | ND | | ug/kg | 33 | 1 |
| Acrylonitrile | ND | | ug/kg | 13 | 1 |
| Bromochloromethane | ND | | ug/kg | 16 | 1 |
| Tetrahydrofuran | ND | | ug/kg | 65 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 16 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 13 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 16 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 3.3 | 1 |
| Bromobenzene | ND | | ug/kg | 16 | 1 |
| n-Butylbenzene | ND | | ug/kg | 3.3 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 3.3 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 16 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 16 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 16 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 16 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 16 | 1 |
| Isopropylbenzene | ND | | ug/kg | 3.3 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 3.3 | 1 |
| Naphthalene | ND | | ug/kg | 16 | 1 |
| n-Propylbenzene | ND | | ug/kg | 3.3 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 16 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-12 Date Collected: 08/14/09 14:00

Client ID: SB-19 (8'-10') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 16 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 16 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 16 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 16 | 1 |
| Ethyl ether | ND | | ug/kg | 16 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 106 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | **142** | | 70-130 |
| Dibromofluoromethane | 95 | | 70-130 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-14 | Date Collected: | 08/14/09 10:30 |
| Client ID: | SB-20 (8'-10') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260B | | |
| Analytical Date: | 08/18/09 17:58 | | |
| Analyst: | BN | | |
| Percent Solids: | 95% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| Methylene chloride | ND | | ug/kg | 23 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 3.4 | 1 |
| Chloroform | ND | | ug/kg | 3.4 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 2.3 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 8.0 | 1 |
| Dibromochloromethane | ND | | ug/kg | 2.3 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 3.4 | 1 |
| Tetrachloroethene | 2.3 | | ug/kg | 2.3 | 1 |
| Chlorobenzene | ND | | ug/kg | 2.3 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 11 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 2.3 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 2.3 | 1 |
| Bromodichloromethane | ND | | ug/kg | 2.3 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 2.3 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 2.3 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 11 | 1 |
| Bromoform | ND | | ug/kg | 9.2 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 2.3 | 1 |
| Benzene | ND | | ug/kg | 2.3 | 1 |
| Toluene | ND | | ug/kg | 3.4 | 1 |
| Ethylbenzene | ND | | ug/kg | 2.3 | 1 |
| Chloromethane | ND | | ug/kg | 11 | 1 |
| Bromomethane | ND | | ug/kg | 4.6 | 1 |
| Vinyl chloride | ND | | ug/kg | 4.6 | 1 |
| Chloroethane | ND | | ug/kg | 4.6 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 2.3 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 3.4 | 1 |
| Trichloroethene | 4.6 | | ug/kg | 2.3 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 11 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 11 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-14 Date Collected: 08/14/09 10:30

Client ID: SB-20 (8'-10') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| 1,4-Dichlorobenzene | ND | | ug/kg | 11 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 4.6 | 1 |
| p/m-Xylene | ND | | ug/kg | 4.6 | 1 |
| o-Xylene | ND | | ug/kg | 4.6 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 2.3 | 1 |
| Dibromomethane | ND | | ug/kg | 23 | 1 |
| 1,4-Dichlorobutane | ND | | ug/kg | 23 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 23 | 1 |
| Styrene | ND | | ug/kg | 4.6 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 23 | 1 |
| Acetone | ND | | ug/kg | 23 | 1 |
| Carbon disulfide | ND | | ug/kg | 23 | 1 |
| 2-Butanone | ND | | ug/kg | 23 | 1 |
| Vinyl acetate | ND | | ug/kg | 23 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 23 | 1 |
| 2-Hexanone | ND | | ug/kg | 23 | 1 |
| Ethyl methacrylate | ND | | ug/kg | 23 | 1 |
| Acrylonitrile | ND | | ug/kg | 9.2 | 1 |
| Bromochloromethane | ND | | ug/kg | 11 | 1 |
| Tetrahydrofuran | ND | | ug/kg | 46 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 11 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 9.2 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 11 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 2.3 | 1 |
| Bromobenzene | ND | | ug/kg | 11 | 1 |
| n-Butylbenzene | ND | | ug/kg | 2.3 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 2.3 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 11 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 11 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 11 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 11 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 11 | 1 |
| Isopropylbenzene | ND | | ug/kg | 2.3 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 2.3 | 1 |
| Naphthalene | ND | | ug/kg | 11 | 1 |
| n-Propylbenzene | ND | | ug/kg | 2.3 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 11 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-14 Date Collected: 08/14/09 10:30

Client ID: SB-20 (8'-10') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 11 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 11 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 11 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 11 | 1 |
| Ethyl ether | ND | | ug/kg | 11 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 109 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | **156** | | 70-130 |
| Dibromofluoromethane | 97 | | 70-130 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L0911346-14 | R | Date Collected: | 08/14/09 10:30 |
| Client ID: | SB-20 (8'-10') | | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | | |
| Analytical Method: | 1,8260B | | | |
| Analytical Date: | 08/19/09 12:10 | | | |
| Analyst: | BN | | | |
| Percent Solids: | 95% | | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| Methylene chloride | ND | | ug/kg | 31 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 4.6 | 1 |
| Chloroform | ND | | ug/kg | 4.6 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 3.1 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 11 | 1 |
| Dibromochloromethane | ND | | ug/kg | 3.1 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 4.6 | 1 |
| Tetrachloroethene | 3.2 | | ug/kg | 3.1 | 1 |
| Chlorobenzene | ND | | ug/kg | 3.1 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 15 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 3.1 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 3.1 | 1 |
| Bromodichloromethane | ND | | ug/kg | 3.1 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 3.1 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 3.1 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 15 | 1 |
| Bromoform | ND | | ug/kg | 12 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 3.1 | 1 |
| Benzene | ND | | ug/kg | 3.1 | 1 |
| Toluene | ND | | ug/kg | 4.6 | 1 |
| Ethylbenzene | ND | | ug/kg | 3.1 | 1 |
| Chloromethane | ND | | ug/kg | 15 | 1 |
| Bromomethane | ND | | ug/kg | 6.2 | 1 |
| Vinyl chloride | ND | | ug/kg | 6.2 | 1 |
| Chloroethane | ND | | ug/kg | 6.2 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 3.1 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 4.6 | 1 |
| Trichloroethene | 6.1 | | ug/kg | 3.1 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 15 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 15 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-14 R Date Collected: 08/14/09 10:30

Client ID: SB-20 (8'-10') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| 1,4-Dichlorobenzene | ND | | ug/kg | 15 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 6.2 | 1 |
| p/m-Xylene | ND | | ug/kg | 6.2 | 1 |
| o-Xylene | ND | | ug/kg | 6.2 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 3.1 | 1 |
| Dibromomethane | ND | | ug/kg | 31 | 1 |
| 1,4-Dichlorobutane | ND | | ug/kg | 31 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 31 | 1 |
| Styrene | ND | | ug/kg | 6.2 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 31 | 1 |
| Acetone | ND | | ug/kg | 31 | 1 |
| Carbon disulfide | ND | | ug/kg | 31 | 1 |
| 2-Butanone | ND | | ug/kg | 31 | 1 |
| Vinyl acetate | ND | | ug/kg | 31 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 31 | 1 |
| 2-Hexanone | ND | | ug/kg | 31 | 1 |
| Ethyl methacrylate | ND | | ug/kg | 31 | 1 |
| Acrylonitrile | ND | | ug/kg | 12 | 1 |
| Bromochloromethane | ND | | ug/kg | 15 | 1 |
| Tetrahydrofuran | ND | | ug/kg | 62 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 15 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 12 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 15 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 3.1 | 1 |
| Bromobenzene | ND | | ug/kg | 15 | 1 |
| n-Butylbenzene | ND | | ug/kg | 3.1 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 3.1 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 15 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 15 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 15 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 15 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 15 | 1 |
| Isopropylbenzene | ND | | ug/kg | 3.1 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 3.1 | 1 |
| Naphthalene | ND | | ug/kg | 15 | 1 |
| n-Propylbenzene | ND | | ug/kg | 3.1 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 15 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-14 R Date Collected: 08/14/09 10:30

Client ID: SB-20 (8'-10') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 15 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 15 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 15 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 15 | 1 |
| Ethyl ether | ND | | ug/kg | 15 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 110 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | **154** | | 70-130 |
| Dibromofluoromethane | 95 | | 70-130 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-18 | Date Collected: | 08/14/09 11:00 |
| Client ID: | SB-22 (3'-5') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260B | | |
| Analytical Date: | 08/19/09 11:00 | | |
| Analyst: | BN | | |
| Percent Solids: | 94% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| Methylene chloride | ND | | ug/kg | 33 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 5.0 | 1 |
| Chloroform | ND | | ug/kg | 5.0 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 3.3 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 12 | 1 |
| Dibromochloromethane | ND | | ug/kg | 3.3 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 5.0 | 1 |
| Tetrachloroethene | ND | | ug/kg | 3.3 | 1 |
| Chlorobenzene | ND | | ug/kg | 3.3 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 17 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 3.3 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 3.3 | 1 |
| Bromodichloromethane | ND | | ug/kg | 3.3 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 3.3 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 3.3 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 17 | 1 |
| Bromoform | ND | | ug/kg | 13 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 3.3 | 1 |
| Benzene | ND | | ug/kg | 3.3 | 1 |
| Toluene | ND | | ug/kg | 5.0 | 1 |
| Ethylbenzene | ND | | ug/kg | 3.3 | 1 |
| Chloromethane | ND | | ug/kg | 17 | 1 |
| Bromomethane | ND | | ug/kg | 6.6 | 1 |
| Vinyl chloride | ND | | ug/kg | 6.6 | 1 |
| Chloroethane | ND | | ug/kg | 6.6 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 3.3 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 5.0 | 1 |
| Trichloroethene | ND | | ug/kg | 3.3 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 17 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 17 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-18 Date Collected: 08/14/09 11:00

Client ID: SB-22 (3'-5') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| 1,4-Dichlorobenzene | ND | | ug/kg | 17 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 6.6 | 1 |
| p/m-Xylene | ND | | ug/kg | 6.6 | 1 |
| o-Xylene | ND | | ug/kg | 6.6 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 3.3 | 1 |
| Dibromomethane | ND | | ug/kg | 33 | 1 |
| 1,4-Dichlorobutane | ND | | ug/kg | 33 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 33 | 1 |
| Styrene | ND | | ug/kg | 6.6 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 33 | 1 |
| Acetone | ND | | ug/kg | 33 | 1 |
| Carbon disulfide | ND | | ug/kg | 33 | 1 |
| 2-Butanone | ND | | ug/kg | 33 | 1 |
| Vinyl acetate | ND | | ug/kg | 33 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 33 | 1 |
| 2-Hexanone | ND | | ug/kg | 33 | 1 |
| Ethyl methacrylate | ND | | ug/kg | 33 | 1 |
| Acrylonitrile | ND | | ug/kg | 13 | 1 |
| Bromochloromethane | ND | | ug/kg | 17 | 1 |
| Tetrahydrofuran | ND | | ug/kg | 66 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 17 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 13 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 17 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 3.3 | 1 |
| Bromobenzene | ND | | ug/kg | 17 | 1 |
| n-Butylbenzene | ND | | ug/kg | 3.3 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 3.3 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 17 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 17 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 17 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 17 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 17 | 1 |
| Isopropylbenzene | ND | | ug/kg | 3.3 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 3.3 | 1 |
| Naphthalene | ND | | ug/kg | 17 | 1 |
| n-Propylbenzene | ND | | ug/kg | 3.3 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 17 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-18 Date Collected: 08/14/09 11:00

Client ID: SB-22 (3'-5') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 17 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 17 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 17 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 17 | 1 |
| Ethyl ether | ND | | ug/kg | 17 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 109 | | 70-130 |
| Toluene-d8 | 97 | | 70-130 |
| 4-Bromofluorobenzene | **141** | | 70-130 |
| Dibromofluoromethane | 96 | | 70-130 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-21 | Date Collected: | 08/14/09 13:30 |
| Client ID: | SB-17A (3'-5') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260B | | |
| Analytical Date: | 08/18/09 14:27 | | |
| Analyst: | BN | | |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| Methylene chloride | ND | | ug/kg | 1300 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 190 | 1 |
| Chloroform | ND | | ug/kg | 190 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 130 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 450 | 1 |
| Dibromochloromethane | ND | | ug/kg | 130 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 190 | 1 |
| Tetrachloroethene | ND | | ug/kg | 130 | 1 |
| Chlorobenzene | ND | | ug/kg | 130 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 640 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 130 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 130 | 1 |
| Bromodichloromethane | ND | | ug/kg | 130 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 130 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 130 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 640 | 1 |
| Bromoform | ND | | ug/kg | 510 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 130 | 1 |
| Benzene | 1100 | | ug/kg | 130 | 1 |
| Toluene | 2800 | | ug/kg | 190 | 1 |
| Ethylbenzene | ND | | ug/kg | 130 | 1 |
| Chloromethane | ND | | ug/kg | 640 | 1 |
| Bromomethane | ND | | ug/kg | 260 | 1 |
| Vinyl chloride | ND | | ug/kg | 260 | 1 |
| Chloroethane | ND | | ug/kg | 260 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 130 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 190 | 1 |
| Trichloroethene | ND | | ug/kg | 130 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 640 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 640 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-21 Date Collected: 08/14/09 13:30

Client ID: SB-17A (3'-5') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| 1,4-Dichlorobenzene | ND | | ug/kg | 640 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 260 | 1 |
| p/m-Xylene | 1600 | | ug/kg | 260 | 1 |
| o-Xylene | 610 | | ug/kg | 260 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 130 | 1 |
| Dibromomethane | ND | | ug/kg | 1300 | 1 |
| 1,4-Dichlorobutane | ND | | ug/kg | 1300 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 1300 | 1 |
| Styrene | ND | | ug/kg | 260 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 1300 | 1 |
| Acetone | ND | | ug/kg | 1300 | 1 |
| Carbon disulfide | ND | | ug/kg | 1300 | 1 |
| 2-Butanone | ND | | ug/kg | 1300 | 1 |
| Vinyl acetate | ND | | ug/kg | 1300 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 1300 | 1 |
| 2-Hexanone | ND | | ug/kg | 1300 | 1 |
| Ethyl methacrylate | ND | | ug/kg | 1300 | 1 |
| Acrylonitrile | ND | | ug/kg | 510 | 1 |
| Bromochloromethane | ND | | ug/kg | 640 | 1 |
| Tetrahydrofuran | ND | | ug/kg | 2600 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 640 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 510 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 640 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 130 | 1 |
| Bromobenzene | ND | | ug/kg | 640 | 1 |
| n-Butylbenzene | ND | | ug/kg | 130 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 130 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 640 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 640 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 640 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 640 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 640 | 1 |
| Isopropylbenzene | ND | | ug/kg | 130 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 130 | 1 |
| Naphthalene | ND | | ug/kg | 640 | 1 |
| n-Propylbenzene | ND | | ug/kg | 130 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 640 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-21 Date Collected: 08/14/09 13:30

Client ID: SB-17A (3'-5') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 640 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 640 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 640 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 640 | 1 |
| Ethyl ether | ND | | ug/kg | 640 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 105 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 112 | | 70-130 |
| Dibromofluoromethane | 87 | | 70-130 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-22 | Date Collected: | 08/14/09 13:00 |
| Client ID: | SB-17 (3'-5') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260B | | |
| Analytical Date: | 08/18/09 16:48 | | |
| Analyst: | BN | | |
| Percent Solids: | 92% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| Methylene chloride | ND | | ug/kg | 680 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 100 | 1 |
| Chloroform | ND | | ug/kg | 100 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 68 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 240 | 1 |
| Dibromochloromethane | ND | | ug/kg | 68 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 100 | 1 |
| Tetrachloroethene | ND | | ug/kg | 68 | 1 |
| Chlorobenzene | ND | | ug/kg | 68 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 340 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 68 | 1 |
| 1,1,1-Trichloroethane | 1500 | | ug/kg | 68 | 1 |
| Bromodichloromethane | ND | | ug/kg | 68 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 68 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 68 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 340 | 1 |
| Bromoform | ND | | ug/kg | 270 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 68 | 1 |
| Benzene | 160 | | ug/kg | 68 | 1 |
| Toluene | 420 | | ug/kg | 100 | 1 |
| Ethylbenzene | ND | | ug/kg | 68 | 1 |
| Chloromethane | ND | | ug/kg | 340 | 1 |
| Bromomethane | ND | | ug/kg | 140 | 1 |
| Vinyl chloride | ND | | ug/kg | 140 | 1 |
| Chloroethane | ND | | ug/kg | 140 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 68 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 100 | 1 |
| Trichloroethene | ND | | ug/kg | 68 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 340 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 340 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-22 Date Collected: 08/14/09 13:00

Client ID: SB-17 (3'-5') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| 1,4-Dichlorobenzene | ND | | ug/kg | 340 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 140 | 1 |
| p/m-Xylene | 530 | | ug/kg | 140 | 1 |
| o-Xylene | 280 | | ug/kg | 140 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 68 | 1 |
| Dibromomethane | ND | | ug/kg | 680 | 1 |
| 1,4-Dichlorobutane | ND | | ug/kg | 680 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 680 | 1 |
| Styrene | ND | | ug/kg | 140 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 680 | 1 |
| Acetone | ND | | ug/kg | 680 | 1 |
| Carbon disulfide | ND | | ug/kg | 680 | 1 |
| 2-Butanone | ND | | ug/kg | 680 | 1 |
| Vinyl acetate | ND | | ug/kg | 680 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 680 | 1 |
| 2-Hexanone | ND | | ug/kg | 680 | 1 |
| Ethyl methacrylate | ND | | ug/kg | 680 | 1 |
| Acrylonitrile | ND | | ug/kg | 270 | 1 |
| Bromochloromethane | ND | | ug/kg | 340 | 1 |
| Tetrahydrofuran | ND | | ug/kg | 1400 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 340 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 270 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 340 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 68 | 1 |
| Bromobenzene | ND | | ug/kg | 340 | 1 |
| n-Butylbenzene | ND | | ug/kg | 68 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 68 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 340 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 340 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 340 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 340 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 340 | 1 |
| Isopropylbenzene | ND | | ug/kg | 68 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 68 | 1 |
| Naphthalene | ND | | ug/kg | 340 | 1 |
| n-Propylbenzene | ND | | ug/kg | 68 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 340 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-22 Date Collected: 08/14/09 13:00

Client ID: SB-17 (3'-5') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Volatile Organics by GC/MS-5035 - Westborough Lab** | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 340 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 340 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 340 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 340 | 1 |
| Ethyl ether | ND | | ug/kg | 340 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 108 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 120 | | 70-130 |
| Dibromofluoromethane | 85 | | 70-130 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 08/18/09 11:31
Analyst: BN

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 21-22 Batch: WG376069-3 | | | | |
| Methylene chloride | ND | | ug/kg | 500 |
| 1,1-Dichloroethane | ND | | ug/kg | 75 |
| Chloroform | ND | | ug/kg | 75 |
| Carbon tetrachloride | ND | | ug/kg | 50 |
| 1,2-Dichloropropane | ND | | ug/kg | 180 |
| Dibromochloromethane | ND | | ug/kg | 50 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 75 |
| Tetrachloroethene | ND | | ug/kg | 50 |
| Chlorobenzene | ND | | ug/kg | 50 |
| Trichlorofluoromethane | ND | | ug/kg | 250 |
| 1,2-Dichloroethane | ND | | ug/kg | 50 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 50 |
| Bromodichloromethane | ND | | ug/kg | 50 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 50 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 50 |
| 1,1-Dichloropropene | ND | | ug/kg | 250 |
| Bromoform | ND | | ug/kg | 200 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 50 |
| Benzene | ND | | ug/kg | 50 |
| Toluene | ND | | ug/kg | 75 |
| Ethylbenzene | ND | | ug/kg | 50 |
| Chloromethane | ND | | ug/kg | 250 |
| Bromomethane | ND | | ug/kg | 100 |
| Vinyl chloride | ND | | ug/kg | 100 |
| Chloroethane | ND | | ug/kg | 100 |
| 1,1-Dichloroethene | ND | | ug/kg | 50 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 75 |
| Trichloroethene | ND | | ug/kg | 50 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 250 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 250 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 250 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 08/18/09 11:31
Analyst: BN

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 21-22 Batch: WG376069-3 | | | | |
| Methyl tert butyl ether | ND | | ug/kg | 100 |
| p/m-Xylene | ND | | ug/kg | 100 |
| o-Xylene | ND | | ug/kg | 100 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 50 |
| Dibromomethane | ND | | ug/kg | 500 |
| 1,4-Dichlorobutane | ND | | ug/kg | 500 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 500 |
| Styrene | ND | | ug/kg | 100 |
| Dichlorodifluoromethane | ND | | ug/kg | 500 |
| Acetone | ND | | ug/kg | 500 |
| Carbon disulfide | ND | | ug/kg | 500 |
| 2-Butanone | ND | | ug/kg | 500 |
| Vinyl acetate | ND | | ug/kg | 500 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 500 |
| 2-Hexanone | ND | | ug/kg | 500 |
| Ethyl methacrylate | ND | | ug/kg | 500 |
| Acrylonitrile | ND | | ug/kg | 200 |
| Bromochloromethane | ND | | ug/kg | 250 |
| Tetrahydrofuran | ND | | ug/kg | 1000 |
| 2,2-Dichloropropane | ND | | ug/kg | 250 |
| 1,2-Dibromoethane | ND | | ug/kg | 200 |
| 1,3-Dichloropropane | ND | | ug/kg | 250 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 50 |
| Bromobenzene | ND | | ug/kg | 250 |
| n-Butylbenzene | ND | | ug/kg | 50 |
| sec-Butylbenzene | ND | | ug/kg | 50 |
| tert-Butylbenzene | ND | | ug/kg | 250 |
| o-Chlorotoluene | ND | | ug/kg | 250 |
| p-Chlorotoluene | ND | | ug/kg | 250 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 250 |
| Hexachlorobutadiene | ND | | ug/kg | 250 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 08/18/09 11:31
Analyst: BN

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 21-22 Batch: WG376069-3 | | | | |
| Isopropylbenzene | ND | | ug/kg | 50 |
| p-Isopropyltoluene | ND | | ug/kg | 50 |
| Naphthalene | ND | | ug/kg | 250 |
| n-Propylbenzene | ND | | ug/kg | 50 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 250 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 250 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 250 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 250 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 250 |
| Ethyl ether | ND | | ug/kg | 250 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 109 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | **133** | | 70-130 |
| Dibromofluoromethane | 95 | | 70-130 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 08/18/09 11:31
Analyst: BN

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 08,10,12,14 Batch: WG376233-3 | | | | |
| Methylene chloride | ND | | ug/kg | 10 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.5 |
| Chloroform | ND | | ug/kg | 1.5 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 |
| 1,2-Dichloropropane | ND | | ug/kg | 3.5 |
| Dibromochloromethane | ND | | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.5 |
| Tetrachloroethene | ND | | ug/kg | 1.0 |
| Chlorobenzene | ND | | ug/kg | 1.0 |
| Trichlorofluoromethane | ND | | ug/kg | 5.0 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.0 |
| Bromodichloromethane | ND | | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | | ug/kg | 5.0 |
| Bromoform | ND | | ug/kg | 4.0 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.0 |
| Benzene | ND | | ug/kg | 1.0 |
| Toluene | ND | | ug/kg | 1.5 |
| Ethylbenzene | ND | | ug/kg | 1.0 |
| Chloromethane | ND | | ug/kg | 5.0 |
| Bromomethane | ND | | ug/kg | 2.0 |
| Vinyl chloride | ND | | ug/kg | 2.0 |
| Chloroethane | ND | | ug/kg | 2.0 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 |
| Trichloroethene | ND | | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 5.0 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 5.0 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 5.0 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 08/18/09 11:31
Analyst: BN

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 08,10,12,14 Batch: WG376233-3 | | | | |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 |
| p/m-Xylene | ND | | ug/kg | 2.0 |
| o-Xylene | ND | | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 |
| Dibromomethane | ND | | ug/kg | 10 |
| 1,4-Dichlorobutane | ND | | ug/kg | 10 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 10 |
| Styrene | ND | | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 |
| Acetone | ND | | ug/kg | 10 |
| Carbon disulfide | ND | | ug/kg | 10 |
| 2-Butanone | ND | | ug/kg | 10 |
| Vinyl acetate | ND | | ug/kg | 10 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 |
| 2-Hexanone | ND | | ug/kg | 10 |
| Ethyl methacrylate | ND | | ug/kg | 10 |
| Acrylonitrile | ND | | ug/kg | 4.0 |
| Bromochloromethane | ND | | ug/kg | 5.0 |
| Tetrahydrofuran | ND | | ug/kg | 20 |
| 2,2-Dichloropropane | ND | | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | | ug/kg | 4.0 |
| 1,3-Dichloropropane | ND | | ug/kg | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.0 |
| Bromobenzene | ND | | ug/kg | 5.0 |
| n-Butylbenzene | ND | | ug/kg | 1.0 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 |
| tert-Butylbenzene | ND | | ug/kg | 5.0 |
| o-Chlorotoluene | ND | | ug/kg | 5.0 |
| p-Chlorotoluene | ND | | ug/kg | 5.0 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 5.0 |
| Hexachlorobutadiene | ND | | ug/kg | 5.0 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 08/18/09 11:31
Analyst: BN

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 08,10,12,14 Batch: WG376233-3 | | | | |
| Isopropylbenzene | ND | | ug/kg | 1.0 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 |
| Naphthalene | ND | | ug/kg | 5.0 |
| n-Propylbenzene | ND | | ug/kg | 1.0 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 5.0 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 5.0 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 5.0 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 5.0 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 |
| Ethyl ether | ND | | ug/kg | 5.0 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 109 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | **133** | | 70-130 |
| Dibromofluoromethane | 95 | | 70-130 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 08/19/09 09:02
Analyst: BN

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 10,14,18 Batch: WG376233-6 | | | | |
| Methylene chloride | ND | | ug/kg | 10 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.5 |
| Chloroform | ND | | ug/kg | 1.5 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 |
| 1,2-Dichloropropane | ND | | ug/kg | 3.5 |
| Dibromochloromethane | ND | | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.5 |
| Tetrachloroethene | ND | | ug/kg | 1.0 |
| Chlorobenzene | ND | | ug/kg | 1.0 |
| Trichlorofluoromethane | ND | | ug/kg | 5.0 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.0 |
| Bromodichloromethane | ND | | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | | ug/kg | 5.0 |
| Bromoform | ND | | ug/kg | 4.0 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.0 |
| Benzene | ND | | ug/kg | 1.0 |
| Toluene | ND | | ug/kg | 1.5 |
| Ethylbenzene | ND | | ug/kg | 1.0 |
| Chloromethane | ND | | ug/kg | 5.0 |
| Bromomethane | ND | | ug/kg | 2.0 |
| Vinyl chloride | ND | | ug/kg | 2.0 |
| Chloroethane | ND | | ug/kg | 2.0 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 |
| Trichloroethene | ND | | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 5.0 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 5.0 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 5.0 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 08/19/09 09:02
Analyst: BN

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 10,14,18 Batch: WG376233-6 | | | | |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 |
| p/m-Xylene | ND | | ug/kg | 2.0 |
| o-Xylene | ND | | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 |
| Dibromomethane | ND | | ug/kg | 10 |
| 1,4-Dichlorobutane | ND | | ug/kg | 10 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 10 |
| Styrene | ND | | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 |
| Acetone | ND | | ug/kg | 10 |
| Carbon disulfide | ND | | ug/kg | 10 |
| 2-Butanone | ND | | ug/kg | 10 |
| Vinyl acetate | ND | | ug/kg | 10 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 |
| 2-Hexanone | ND | | ug/kg | 10 |
| Ethyl methacrylate | ND | | ug/kg | 10 |
| Acrylonitrile | ND | | ug/kg | 4.0 |
| Bromochloromethane | ND | | ug/kg | 5.0 |
| Tetrahydrofuran | ND | | ug/kg | 20 |
| 2,2-Dichloropropane | ND | | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | | ug/kg | 4.0 |
| 1,3-Dichloropropane | ND | | ug/kg | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.0 |
| Bromobenzene | ND | | ug/kg | 5.0 |
| n-Butylbenzene | ND | | ug/kg | 1.0 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 |
| tert-Butylbenzene | ND | | ug/kg | 5.0 |
| o-Chlorotoluene | ND | | ug/kg | 5.0 |
| p-Chlorotoluene | ND | | ug/kg | 5.0 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 5.0 |
| Hexachlorobutadiene | ND | | ug/kg | 5.0 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 08/19/09 09:02
Analyst: BN

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 10,14,18 Batch: WG376233-6 | | | | |
| Isopropylbenzene | ND | | ug/kg | 1.0 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 |
| Naphthalene | ND | | ug/kg | 5.0 |
| n-Propylbenzene | ND | | ug/kg | 1.0 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 5.0 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 5.0 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 5.0 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 5.0 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 |
| Ethyl ether | ND | | ug/kg | 5.0 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 106 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | **140** | | 70-130 |
| Dibromofluoromethane | 95 | | 70-130 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 21-22 Batch: WG376069-1 WG376069-2 | | | | | |
| Chlorobenzene | 102 | 105 | 60-133 | 3 | 30 |
| Benzene | 99 | 102 | 66-142 | 3 | 30 |
| Toluene | 99 | 102 | 59-139 | 3 | 30 |
| 1,1-Dichloroethene | 92 | 93 | 59-172 | 1 | 30 |
| Trichloroethene | 105 | 112 | 62-137 | 6 | 30 |

| Surrogate | LCS %Recovery | Qualifier | LCSD %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 110 | | 107 | | 70-130 |
| Toluene-d8 | 98 | | 99 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 102 | | 70-130 |
| Dibromofluoromethane | 98 | | 98 | | 70-130 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.

**Project Number:** Not Specified

**Lab Number:** L0911346

**Report Date:** 08/24/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 08,10,12,14 Batch: WG376233-1 WG376233-2 | | | | | |
| Chlorobenzene | 102 | 105 | 60-133 | 3 | 30 |
| Benzene | 99 | 102 | 66-142 | 3 | 30 |
| Toluene | 99 | 102 | 59-139 | 3 | 30 |
| 1,1-Dichloroethene | 92 | 93 | 59-172 | 1 | 30 |
| Trichloroethene | 105 | 112 | 62-137 | 6 | 30 |

| Surrogate | LCS %Recovery | Qualifier | LCSD %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 110 | | 107 | | 70-130 |
| Toluene-d8 | 98 | | 99 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 102 | | 70-130 |
| Dibromofluoromethane | 98 | | 98 | | 70-130 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 10,14,18 Batch: WG376233-4 WG376233-5 | | | | | |
| Chlorobenzene | 96 | 94 | 60-133 | 8 | 30 |
| Benzene | 102 | 98 | 66-142 | 1 | 30 |
| Toluene | 97 | 94 | 59-139 | 5 | 30 |
| 1,1-Dichloroethene | 97 | 93 | 59-172 | 1 | 30 |
| Trichloroethene | 103 | 101 | 62-137 | 2 | 30 |

| Surrogate | LCS %Recovery | Qualifier | LCSD %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 111 | | 104 | | 70-130 |
| Toluene-d8 | 98 | | 97 | | 70-130 |
| 4-Bromofluorobenzene | 99 | | 101 | | 70-130 |
| Dibromofluoromethane | 100 | | 97 | | 70-130 |

# SEMIVOLATILES

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-01 | Date Collected: | 08/12/09 09:30 |
| Client ID: | SB-13 (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270C | Extraction Date: | 08/17/09 12:37 |
| Analytical Date: | 08/18/09 20:12 | | |
| Analyst: | PS | | |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Acenaphthene | ND | | ug/kg | 9700 | 25 |
| Benzidine | ND | | ug/kg | 97000 | 25 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 9700 | 25 |
| Hexachlorobenzene | ND | | ug/kg | 9700 | 25 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 9700 | 25 |
| 2-Chloronaphthalene | ND | | ug/kg | 12000 | 25 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 9700 | 25 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 9700 | 25 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 9700 | 25 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 19000 | 25 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 9700 | 25 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 9700 | 25 |
| Azobenzene | ND | | ug/kg | 9700 | 25 |
| Fluoranthene | 19000 | | ug/kg | 9700 | 25 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 9700 | 25 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 9700 | 25 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 9700 | 25 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 9700 | 25 |
| Hexachlorobutadiene | ND | | ug/kg | 19000 | 25 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 19000 | 25 |
| Hexachloroethane | ND | | ug/kg | 9700 | 25 |
| Isophorone | ND | | ug/kg | 9700 | 25 |
| Naphthalene | ND | | ug/kg | 9700 | 25 |
| Nitrobenzene | ND | | ug/kg | 9700 | 25 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 29000 | 25 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 19000 | 25 |
| Butyl benzyl phthalate | ND | | ug/kg | 9700 | 25 |
| Di-n-butylphthalate | ND | | ug/kg | 9700 | 25 |
| Di-n-octylphthalate | ND | | ug/kg | 9700 | 25 |
| Diethyl phthalate | ND | | ug/kg | 9700 | 25 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-01 Date Collected: 08/12/09 09:30

Client ID: SB-13 (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 9700 | 25 |
| Benzo(a)anthracene | 180000 | | ug/kg | 9700 | 25 |
| Benzo(a)pyrene | 220000 | | ug/kg | 9700 | 25 |
| Benzo(b)fluoranthene | 50000 | | ug/kg | 9700 | 25 |
| Benzo(k)fluoranthene | 31000 | | ug/kg | 9700 | 25 |
| Chrysene | 240000 | | ug/kg | 9700 | 25 |
| Acenaphthylene | ND | | ug/kg | 9700 | 25 |
| Anthracene | ND | | ug/kg | 9700 | 25 |
| Benzo(ghi)perylene | 84000 | | ug/kg | 9700 | 25 |
| Fluorene | ND | | ug/kg | 9700 | 25 |
| Phenanthrene | 40000 | | ug/kg | 9700 | 25 |
| Dibenzo(a,h)anthracene | 35000 | | ug/kg | 9700 | 25 |
| Indeno(1,2,3-cd)Pyrene | 22000 | | ug/kg | 9700 | 25 |
| Pyrene | 180000 | | ug/kg | 9700 | 25 |
| Aniline | ND | | ug/kg | 19000 | 25 |
| 4-Chloroaniline | ND | | ug/kg | 9700 | 25 |
| 1-Methylnaphthalene | ND | | ug/kg | 9700 | 25 |
| 2-Nitroaniline | ND | | ug/kg | 9700 | 25 |
| 3-Nitroaniline | ND | | ug/kg | 9700 | 25 |
| 4-Nitroaniline | ND | | ug/kg | 14000 | 25 |
| Dibenzofuran | ND | | ug/kg | 9700 | 25 |
| 2-Methylnaphthalene | ND | | ug/kg | 9700 | 25 |
| n-Nitrosodimethylamine | ND | | ug/kg | 97000 | 25 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 9700 | 25 |
| P-Chloro-M-Cresol | ND | | ug/kg | 9700 | 25 |
| 2-Chlorophenol | ND | | ug/kg | 12000 | 25 |
| 2,4-Dichlorophenol | ND | | ug/kg | 19000 | 25 |
| 2,4-Dimethylphenol | ND | | ug/kg | 9700 | 25 |
| 2-Nitrophenol | ND | | ug/kg | 39000 | 25 |
| 4-Nitrophenol | ND | | ug/kg | 19000 | 25 |
| 2,4-Dinitrophenol | ND | | ug/kg | 39000 | 25 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 39000 | 25 |
| Pentachlorophenol | ND | | ug/kg | 39000 | 25 |
| Phenol | ND | | ug/kg | 14000 | 25 |
| 2-Methylphenol | ND | | ug/kg | 12000 | 25 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 12000 | 25 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 9700 | 25 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-01 Date Collected: 08/12/09 09:30

Client ID: SB-13 (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Benzoic Acid | ND | | ug/kg | 97000 | 25 |
| Benzyl Alcohol | ND | | ug/kg | 19000 | 25 |
| Carbazole | ND | | ug/kg | 9700 | 25 |
| Pyridine | ND | | ug/kg | 97000 | 25 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | **0** | | 25-120 |
| Phenol-d6 | **0** | | 10-120 |
| Nitrobenzene-d5 | **0** | | 23-120 |
| 2-Fluorobiphenyl | **0** | | 30-120 |
| 2,4,6-Tribromophenol | 0 | | 0-136 |
| 4-Terphenyl-d14 | **0** | | 18-120 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-03 | Date Collected: | 08/12/09 10:30 |
| Client ID: | SB-14 (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270C | Extraction Date: | 08/17/09 12:37 |
| Analytical Date: | 08/18/09 20:36 | | |
| Analyst: | PS | | |
| Percent Solids: | 93% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Acenaphthene | ND | | ug/kg | 1800 | 5 |
| Benzidine | ND | | ug/kg | 18000 | 5 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1800 | 5 |
| Hexachlorobenzene | ND | | ug/kg | 1800 | 5 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 1800 | 5 |
| 2-Chloronaphthalene | ND | | ug/kg | 2200 | 5 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1800 | 5 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1800 | 5 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1800 | 5 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 3600 | 5 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 1800 | 5 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 1800 | 5 |
| Azobenzene | ND | | ug/kg | 1800 | 5 |
| Fluoranthene | 8100 | | ug/kg | 1800 | 5 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 1800 | 5 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 1800 | 5 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 1800 | 5 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 1800 | 5 |
| Hexachlorobutadiene | ND | | ug/kg | 3600 | 5 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 3600 | 5 |
| Hexachloroethane | ND | | ug/kg | 1800 | 5 |
| Isophorone | ND | | ug/kg | 1800 | 5 |
| Naphthalene | ND | | ug/kg | 1800 | 5 |
| Nitrobenzene | ND | | ug/kg | 1800 | 5 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 5400 | 5 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 3600 | 5 |
| Butyl benzyl phthalate | ND | | ug/kg | 1800 | 5 |
| Di-n-butylphthalate | ND | | ug/kg | 1800 | 5 |
| Di-n-octylphthalate | ND | | ug/kg | 1800 | 5 |
| Diethyl phthalate | ND | | ug/kg | 1800 | 5 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-03 Date Collected: 08/12/09 10:30

Client ID: SB-14 (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 1800 | 5 |
| Benzo(a)anthracene | 21000 | | ug/kg | 1800 | 5 |
| Benzo(a)pyrene | 26000 | | ug/kg | 1800 | 5 |
| Benzo(b)fluoranthene | 8600 | | ug/kg | 1800 | 5 |
| Benzo(k)fluoranthene | 5900 | | ug/kg | 1800 | 5 |
| Chrysene | 27000 | | ug/kg | 1800 | 5 |
| Acenaphthylene | ND | | ug/kg | 1800 | 5 |
| Anthracene | 2100 | | ug/kg | 1800 | 5 |
| Benzo(ghi)perylene | 12000 | | ug/kg | 1800 | 5 |
| Fluorene | ND | | ug/kg | 1800 | 5 |
| Phenanthrene | 8700 | | ug/kg | 1800 | 5 |
| Dibenzo(a,h)anthracene | 4400 | | ug/kg | 1800 | 5 |
| Indeno(1,2,3-cd)Pyrene | 4300 | | ug/kg | 1800 | 5 |
| Pyrene | 22000 | | ug/kg | 1800 | 5 |
| Aniline | ND | | ug/kg | 3600 | 5 |
| 4-Chloroaniline | ND | | ug/kg | 1800 | 5 |
| 1-Methylnaphthalene | ND | | ug/kg | 1800 | 5 |
| 2-Nitroaniline | ND | | ug/kg | 1800 | 5 |
| 3-Nitroaniline | ND | | ug/kg | 1800 | 5 |
| 4-Nitroaniline | ND | | ug/kg | 2500 | 5 |
| Dibenzofuran | ND | | ug/kg | 1800 | 5 |
| 2-Methylnaphthalene | ND | | ug/kg | 1800 | 5 |
| n-Nitrosodimethylamine | ND | | ug/kg | 18000 | 5 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 1800 | 5 |
| P-Chloro-M-Cresol | ND | | ug/kg | 1800 | 5 |
| 2-Chlorophenol | ND | | ug/kg | 2200 | 5 |
| 2,4-Dichlorophenol | ND | | ug/kg | 3600 | 5 |
| 2,4-Dimethylphenol | ND | | ug/kg | 1800 | 5 |
| 2-Nitrophenol | ND | | ug/kg | 7200 | 5 |
| 4-Nitrophenol | ND | | ug/kg | 3600 | 5 |
| 2,4-Dinitrophenol | ND | | ug/kg | 7200 | 5 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 7200 | 5 |
| Pentachlorophenol | ND | | ug/kg | 7200 | 5 |
| Phenol | ND | | ug/kg | 2500 | 5 |
| 2-Methylphenol | ND | | ug/kg | 2200 | 5 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 2200 | 5 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 1800 | 5 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-03 Date Collected: 08/12/09 10:30

Client ID: SB-14 (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Benzoic Acid | ND | | ug/kg | 18000 | 5 |
| Benzyl Alcohol | ND | | ug/kg | 3600 | 5 |
| Carbazole | ND | | ug/kg | 1800 | 5 |
| Pyridine | ND | | ug/kg | 18000 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 71 | | 25-120 |
| Phenol-d6 | 73 | | 10-120 |
| Nitrobenzene-d5 | 82 | | 23-120 |
| 2-Fluorobiphenyl | 75 | | 30-120 |
| 2,4,6-Tribromophenol | 90 | | 0-136 |
| 4-Terphenyl-d14 | 71 | | 18-120 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-05 | Date Collected: | 08/12/09 11:30 |
| Client ID: | SB-15 (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270C | Extraction Date: | 08/17/09 12:37 |
| Analytical Date: | 08/18/09 21:01 | | |
| Analyst: | PS | | |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Acenaphthene | ND | | ug/kg | 390 | 1 |
| Benzidine | ND | | ug/kg | 3900 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 390 | 1 |
| Hexachlorobenzene | ND | | ug/kg | 390 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 390 | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 470 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 390 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 390 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 390 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 780 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 390 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 390 | 1 |
| Azobenzene | ND | | ug/kg | 390 | 1 |
| Fluoranthene | ND | | ug/kg | 390 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 390 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 390 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 390 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 390 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 780 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 780 | 1 |
| Hexachloroethane | ND | | ug/kg | 390 | 1 |
| Isophorone | ND | | ug/kg | 390 | 1 |
| Naphthalene | ND | | ug/kg | 390 | 1 |
| Nitrobenzene | ND | | ug/kg | 390 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 1200 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 780 | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 390 | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 390 | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 390 | 1 |
| Diethyl phthalate | ND | | ug/kg | 390 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-05 Date Collected: 08/12/09 11:30

Client ID: SB-15 (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 390 | 1 |
| Benzo(a)anthracene | ND | | ug/kg | 390 | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 390 | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 390 | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 390 | 1 |
| Chrysene | ND | | ug/kg | 390 | 1 |
| Acenaphthylene | ND | | ug/kg | 390 | 1 |
| Anthracene | ND | | ug/kg | 390 | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 390 | 1 |
| Fluorene | ND | | ug/kg | 390 | 1 |
| Phenanthrene | ND | | ug/kg | 390 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 390 | 1 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/kg | 390 | 1 |
| Pyrene | ND | | ug/kg | 390 | 1 |
| Aniline | ND | | ug/kg | 780 | 1 |
| 4-Chloroaniline | ND | | ug/kg | 390 | 1 |
| 1-Methylnaphthalene | ND | | ug/kg | 390 | 1 |
| 2-Nitroaniline | ND | | ug/kg | 390 | 1 |
| 3-Nitroaniline | ND | | ug/kg | 390 | 1 |
| 4-Nitroaniline | ND | | ug/kg | 550 | 1 |
| Dibenzofuran | ND | | ug/kg | 390 | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 390 | 1 |
| n-Nitrosodimethylamine | ND | | ug/kg | 3900 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 390 | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 390 | 1 |
| 2-Chlorophenol | ND | | ug/kg | 470 | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 780 | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 390 | 1 |
| 2-Nitrophenol | ND | | ug/kg | 1600 | 1 |
| 4-Nitrophenol | ND | | ug/kg | 780 | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1600 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 1600 | 1 |
| Pentachlorophenol | ND | | ug/kg | 1600 | 1 |
| Phenol | ND | | ug/kg | 550 | 1 |
| 2-Methylphenol | ND | | ug/kg | 470 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 470 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 390 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-05 Date Collected: 08/12/09 11:30

Client ID: SB-15 (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Benzoic Acid | ND | | ug/kg | 3900 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 780 | 1 |
| Carbazole | ND | | ug/kg | 390 | 1 |
| Pyridine | ND | | ug/kg | 3900 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 45 | | 25-120 |
| Phenol-d6 | 49 | | 10-120 |
| Nitrobenzene-d5 | 47 | | 23-120 |
| 2-Fluorobiphenyl | 49 | | 30-120 |
| 2,4,6-Tribromophenol | 63 | | 0-136 |
| 4-Terphenyl-d14 | 49 | | 18-120 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-07 | Date Collected: | 08/14/09 12:30 |
| Client ID: | SB-18A (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270C | Extraction Date: | 08/17/09 12:37 |
| Analytical Date: | 08/18/09 21:25 | | |
| Analyst: | PS | | |
| Percent Solids: | 95% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Acenaphthene | ND | | ug/kg | 350 | 1 |
| Benzidine | ND | | ug/kg | 3500 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 350 | 1 |
| Hexachlorobenzene | ND | | ug/kg | 350 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 350 | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 420 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 350 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 350 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 350 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 700 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 350 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 350 | 1 |
| Azobenzene | ND | | ug/kg | 350 | 1 |
| Fluoranthene | 1900 | | ug/kg | 350 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 350 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 350 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 350 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 350 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 700 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 700 | 1 |
| Hexachloroethane | ND | | ug/kg | 350 | 1 |
| Isophorone | ND | | ug/kg | 350 | 1 |
| Naphthalene | ND | | ug/kg | 350 | 1 |
| Nitrobenzene | ND | | ug/kg | 350 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 1000 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 700 | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 350 | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 350 | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 350 | 1 |
| Diethyl phthalate | ND | | ug/kg | 350 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-07 Date Collected: 08/14/09 12:30

Client ID: SB-18A (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 350 | 1 |
| Benzo(a)anthracene | 820 | | ug/kg | 350 | 1 |
| Benzo(a)pyrene | 770 | | ug/kg | 350 | 1 |
| Benzo(b)fluoranthene | 780 | | ug/kg | 350 | 1 |
| Benzo(k)fluoranthene | 680 | | ug/kg | 350 | 1 |
| Chrysene | 800 | | ug/kg | 350 | 1 |
| Acenaphthylene | ND | | ug/kg | 350 | 1 |
| Anthracene | ND | | ug/kg | 350 | 1 |
| Benzo(ghi)perylene | 500 | | ug/kg | 350 | 1 |
| Fluorene | ND | | ug/kg | 350 | 1 |
| Phenanthrene | 1400 | | ug/kg | 350 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 350 | 1 |
| Indeno(1,2,3-cd)Pyrene | 460 | | ug/kg | 350 | 1 |
| Pyrene | 1400 | | ug/kg | 350 | 1 |
| Aniline | ND | | ug/kg | 700 | 1 |
| 4-Chloroaniline | ND | | ug/kg | 350 | 1 |
| 1-Methylnaphthalene | ND | | ug/kg | 350 | 1 |
| 2-Nitroaniline | ND | | ug/kg | 350 | 1 |
| 3-Nitroaniline | ND | | ug/kg | 350 | 1 |
| 4-Nitroaniline | ND | | ug/kg | 490 | 1 |
| Dibenzofuran | ND | | ug/kg | 350 | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 350 | 1 |
| n-Nitrosodimethylamine | ND | | ug/kg | 3500 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 350 | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 350 | 1 |
| 2-Chlorophenol | ND | | ug/kg | 420 | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 700 | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 350 | 1 |
| 2-Nitrophenol | ND | | ug/kg | 1400 | 1 |
| 4-Nitrophenol | ND | | ug/kg | 700 | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1400 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 1400 | 1 |
| Pentachlorophenol | ND | | ug/kg | 1400 | 1 |
| Phenol | ND | | ug/kg | 490 | 1 |
| 2-Methylphenol | ND | | ug/kg | 420 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 420 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 350 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-07 Date Collected: 08/14/09 12:30

Client ID: SB-18A (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Benzoic Acid | ND | | ug/kg | 3500 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 700 | 1 |
| Carbazole | ND | | ug/kg | 350 | 1 |
| Pyridine | ND | | ug/kg | 3500 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 64 | | 25-120 |
| Phenol-d6 | 63 | | 10-120 |
| Nitrobenzene-d5 | 63 | | 23-120 |
| 2-Fluorobiphenyl | 63 | | 30-120 |
| 2,4,6-Tribromophenol | 82 | | 0-136 |
| 4-Terphenyl-d14 | 67 | | 18-120 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-09 | Date Collected: | 08/14/09 11:30 |
| Client ID: | SB-18 (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270C | Extraction Date: | 08/17/09 12:37 |
| Analytical Date: | 08/18/09 21:49 | | |
| Analyst: | PS | | |
| Percent Solids: | 94% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Acenaphthene | ND | | ug/kg | 350 | 1 |
| Benzidine | ND | | ug/kg | 3500 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 350 | 1 |
| Hexachlorobenzene | ND | | ug/kg | 350 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 350 | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 420 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 350 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 350 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 350 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 710 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 350 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 350 | 1 |
| Azobenzene | ND | | ug/kg | 350 | 1 |
| Fluoranthene | 670 | | ug/kg | 350 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 350 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 350 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 350 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 350 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 710 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 710 | 1 |
| Hexachloroethane | ND | | ug/kg | 350 | 1 |
| Isophorone | ND | | ug/kg | 350 | 1 |
| Naphthalene | ND | | ug/kg | 350 | 1 |
| Nitrobenzene | ND | | ug/kg | 350 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 1100 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 710 | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 350 | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 350 | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 350 | 1 |
| Diethyl phthalate | ND | | ug/kg | 350 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-09 Date Collected: 08/14/09 11:30

Client ID: SB-18 (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 350 | 1 |
| Benzo(a)anthracene | ND | | ug/kg | 350 | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 350 | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 350 | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 350 | 1 |
| Chrysene | ND | | ug/kg | 350 | 1 |
| Acenaphthylene | ND | | ug/kg | 350 | 1 |
| Anthracene | ND | | ug/kg | 350 | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 350 | 1 |
| Fluorene | ND | | ug/kg | 350 | 1 |
| Phenanthrene | 460 | | ug/kg | 350 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 350 | 1 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/kg | 350 | 1 |
| Pyrene | 510 | | ug/kg | 350 | 1 |
| Aniline | ND | | ug/kg | 710 | 1 |
| 4-Chloroaniline | ND | | ug/kg | 350 | 1 |
| 1-Methylnaphthalene | ND | | ug/kg | 350 | 1 |
| 2-Nitroaniline | ND | | ug/kg | 350 | 1 |
| 3-Nitroaniline | ND | | ug/kg | 350 | 1 |
| 4-Nitroaniline | ND | | ug/kg | 500 | 1 |
| Dibenzofuran | ND | | ug/kg | 350 | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 350 | 1 |
| n-Nitrosodimethylamine | ND | | ug/kg | 3500 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 350 | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 350 | 1 |
| 2-Chlorophenol | ND | | ug/kg | 420 | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 710 | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 350 | 1 |
| 2-Nitrophenol | ND | | ug/kg | 1400 | 1 |
| 4-Nitrophenol | ND | | ug/kg | 710 | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1400 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 1400 | 1 |
| Pentachlorophenol | ND | | ug/kg | 1400 | 1 |
| Phenol | ND | | ug/kg | 500 | 1 |
| 2-Methylphenol | ND | | ug/kg | 420 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 420 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 350 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-09 Date Collected: 08/14/09 11:30

Client ID: SB-18 (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Benzoic Acid | ND | | ug/kg | 3500 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 710 | 1 |
| Carbazole | ND | | ug/kg | 350 | 1 |
| Pyridine | ND | | ug/kg | 3500 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 58 | | 25-120 |
| Phenol-d6 | 55 | | 10-120 |
| Nitrobenzene-d5 | 58 | | 23-120 |
| 2-Fluorobiphenyl | 49 | | 30-120 |
| 2,4,6-Tribromophenol | 54 | | 0-136 |
| 4-Terphenyl-d14 | 43 | | 18-120 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-11 | Date Collected: | 08/14/09 14:00 |
| Client ID: | SB-19 (0'-4') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270C | Extraction Date: | 08/17/09 12:37 |
| Analytical Date: | 08/18/09 22:14 | | |
| Analyst: | PS | | |
| Percent Solids: | 92% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Acenaphthene | ND | | ug/kg | 360 | 1 |
| Benzidine | ND | | ug/kg | 3600 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 360 | 1 |
| Hexachlorobenzene | ND | | ug/kg | 360 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 360 | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 430 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 360 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 360 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 360 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 720 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 360 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 360 | 1 |
| Azobenzene | ND | | ug/kg | 360 | 1 |
| Fluoranthene | 480 | | ug/kg | 360 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 360 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 360 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 360 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 360 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 720 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 720 | 1 |
| Hexachloroethane | ND | | ug/kg | 360 | 1 |
| Isophorone | ND | | ug/kg | 360 | 1 |
| Naphthalene | ND | | ug/kg | 360 | 1 |
| Nitrobenzene | ND | | ug/kg | 360 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 1100 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 720 | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 360 | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 360 | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 360 | 1 |
| Diethyl phthalate | ND | | ug/kg | 360 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-11 Date Collected: 08/14/09 14:00

Client ID: SB-19 (0'-4') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 360 | 1 |
| Benzo(a)anthracene | ND | | ug/kg | 360 | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 360 | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 360 | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 360 | 1 |
| Chrysene | ND | | ug/kg | 360 | 1 |
| Acenaphthylene | ND | | ug/kg | 360 | 1 |
| Anthracene | ND | | ug/kg | 360 | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 360 | 1 |
| Fluorene | ND | | ug/kg | 360 | 1 |
| Phenanthrene | ND | | ug/kg | 360 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 360 | 1 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/kg | 360 | 1 |
| Pyrene | 380 | | ug/kg | 360 | 1 |
| Aniline | ND | | ug/kg | 720 | 1 |
| 4-Chloroaniline | ND | | ug/kg | 360 | 1 |
| 1-Methylnaphthalene | ND | | ug/kg | 360 | 1 |
| 2-Nitroaniline | ND | | ug/kg | 360 | 1 |
| 3-Nitroaniline | ND | | ug/kg | 360 | 1 |
| 4-Nitroaniline | ND | | ug/kg | 510 | 1 |
| Dibenzofuran | ND | | ug/kg | 360 | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 360 | 1 |
| n-Nitrosodimethylamine | ND | | ug/kg | 3600 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 360 | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 360 | 1 |
| 2-Chlorophenol | ND | | ug/kg | 430 | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 720 | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 360 | 1 |
| 2-Nitrophenol | ND | | ug/kg | 1400 | 1 |
| 4-Nitrophenol | ND | | ug/kg | 720 | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1400 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 1400 | 1 |
| Pentachlorophenol | ND | | ug/kg | 1400 | 1 |
| Phenol | ND | | ug/kg | 510 | 1 |
| 2-Methylphenol | ND | | ug/kg | 430 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 430 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 360 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-11 Date Collected: 08/14/09 14:00

Client ID: SB-19 (0'-4') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Benzoic Acid | ND | | ug/kg | 3600 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 720 | 1 |
| Carbazole | ND | | ug/kg | 360 | 1 |
| Pyridine | ND | | ug/kg | 3600 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 56 | | 25-120 |
| Phenol-d6 | 58 | | 10-120 |
| Nitrobenzene-d5 | 57 | | 23-120 |
| 2-Fluorobiphenyl | 57 | | 30-120 |
| 2,4,6-Tribromophenol | 76 | | 0-136 |
| 4-Terphenyl-d14 | 60 | | 18-120 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-13 | Date Collected: | 08/14/09 10:30 |
| Client ID: | SB-20 (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270C | Extraction Date: | 08/17/09 12:37 |
| Analytical Date: | 08/18/09 22:38 | | |
| Analyst: | PS | | |
| Percent Solids: | 95% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Acenaphthene | ND | | ug/kg | 350 | 1 |
| Benzidine | ND | | ug/kg | 3500 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 350 | 1 |
| Hexachlorobenzene | ND | | ug/kg | 350 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 350 | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 420 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 350 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 350 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 350 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 700 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 350 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 350 | 1 |
| Azobenzene | ND | | ug/kg | 350 | 1 |
| Fluoranthene | 1900 | | ug/kg | 350 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 350 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 350 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 350 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 350 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 700 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 700 | 1 |
| Hexachloroethane | ND | | ug/kg | 350 | 1 |
| Isophorone | ND | | ug/kg | 350 | 1 |
| Naphthalene | ND | | ug/kg | 350 | 1 |
| Nitrobenzene | ND | | ug/kg | 350 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 1000 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 700 | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 350 | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 350 | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 350 | 1 |
| Diethyl phthalate | ND | | ug/kg | 350 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-13 Date Collected: 08/14/09 10:30

Client ID: SB-20 (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 350 | 1 |
| Benzo(a)anthracene | 820 | | ug/kg | 350 | 1 |
| Benzo(a)pyrene | 800 | | ug/kg | 350 | 1 |
| Benzo(b)fluoranthene | 740 | | ug/kg | 350 | 1 |
| Benzo(k)fluoranthene | 740 | | ug/kg | 350 | 1 |
| Chrysene | 800 | | ug/kg | 350 | 1 |
| Acenaphthylene | ND | | ug/kg | 350 | 1 |
| Anthracene | ND | | ug/kg | 350 | 1 |
| Benzo(ghi)perylene | 510 | | ug/kg | 350 | 1 |
| Fluorene | ND | | ug/kg | 350 | 1 |
| Phenanthrene | 1700 | | ug/kg | 350 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 350 | 1 |
| Indeno(1,2,3-cd)Pyrene | 470 | | ug/kg | 350 | 1 |
| Pyrene | 1500 | | ug/kg | 350 | 1 |
| Aniline | ND | | ug/kg | 700 | 1 |
| 4-Chloroaniline | ND | | ug/kg | 350 | 1 |
| 1-Methylnaphthalene | ND | | ug/kg | 350 | 1 |
| 2-Nitroaniline | ND | | ug/kg | 350 | 1 |
| 3-Nitroaniline | ND | | ug/kg | 350 | 1 |
| 4-Nitroaniline | ND | | ug/kg | 490 | 1 |
| Dibenzofuran | ND | | ug/kg | 350 | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 350 | 1 |
| n-Nitrosodimethylamine | ND | | ug/kg | 3500 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 350 | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 350 | 1 |
| 2-Chlorophenol | ND | | ug/kg | 420 | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 700 | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 350 | 1 |
| 2-Nitrophenol | ND | | ug/kg | 1400 | 1 |
| 4-Nitrophenol | ND | | ug/kg | 700 | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1400 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 1400 | 1 |
| Pentachlorophenol | ND | | ug/kg | 1400 | 1 |
| Phenol | ND | | ug/kg | 490 | 1 |
| 2-Methylphenol | ND | | ug/kg | 420 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 420 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 350 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-13 Date Collected: 08/14/09 10:30

Client ID: SB-20 (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Benzoic Acid | ND | | ug/kg | 3500 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 700 | 1 |
| Carbazole | ND | | ug/kg | 350 | 1 |
| Pyridine | ND | | ug/kg | 3500 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 36 | | 25-120 |
| Phenol-d6 | 36 | | 10-120 |
| Nitrobenzene-d5 | 36 | | 23-120 |
| 2-Fluorobiphenyl | 36 | | 30-120 |
| 2,4,6-Tribromophenol | 45 | | 0-136 |
| 4-Terphenyl-d14 | 38 | | 18-120 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-15 | Date Collected: | 08/12/09 15:00 |
| Client ID: | SB-21 (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270C | Extraction Date: | 08/17/09 12:37 |
| Analytical Date: | 08/18/09 23:02 | | |
| Analyst: | PS | | |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Acenaphthene | ND | | ug/kg | 390 | 1 |
| Benzidine | ND | | ug/kg | 3900 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 390 | 1 |
| Hexachlorobenzene | ND | | ug/kg | 390 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 390 | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 460 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 390 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 390 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 390 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 780 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 390 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 390 | 1 |
| Azobenzene | ND | | ug/kg | 390 | 1 |
| Fluoranthene | 9400 | | ug/kg | 390 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 390 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 390 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 390 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 390 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 780 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 780 | 1 |
| Hexachloroethane | ND | | ug/kg | 390 | 1 |
| Isophorone | ND | | ug/kg | 390 | 1 |
| Naphthalene | ND | | ug/kg | 390 | 1 |
| Nitrobenzene | ND | | ug/kg | 390 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 1200 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 780 | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 390 | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 390 | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 390 | 1 |
| Diethyl phthalate | ND | | ug/kg | 390 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-15 Date Collected: 08/12/09 15:00

Client ID: SB-21 (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 390 | 1 |
| Benzo(a)anthracene | 7200 | | ug/kg | 390 | 1 |
| Benzo(a)pyrene | 5900 | | ug/kg | 390 | 1 |
| Benzo(b)fluoranthene | 8600 | | ug/kg | 390 | 1 |
| Benzo(k)fluoranthene | 5600 | | ug/kg | 390 | 1 |
| Chrysene | 6600 | | ug/kg | 390 | 1 |
| Acenaphthylene | 2100 | | ug/kg | 390 | 1 |
| Anthracene | 1500 | | ug/kg | 390 | 1 |
| Benzo(ghi)perylene | 2900 | | ug/kg | 390 | 1 |
| Fluorene | ND | | ug/kg | 390 | 1 |
| Phenanthrene | 1900 | | ug/kg | 390 | 1 |
| Dibenzo(a,h)anthracene | 1300 | | ug/kg | 390 | 1 |
| Indeno(1,2,3-cd)Pyrene | 3300 | | ug/kg | 390 | 1 |
| Pyrene | 7900 | | ug/kg | 390 | 1 |
| Aniline | ND | | ug/kg | 780 | 1 |
| 4-Chloroaniline | ND | | ug/kg | 390 | 1 |
| 1-Methylnaphthalene | ND | | ug/kg | 390 | 1 |
| 2-Nitroaniline | ND | | ug/kg | 390 | 1 |
| 3-Nitroaniline | ND | | ug/kg | 390 | 1 |
| 4-Nitroaniline | ND | | ug/kg | 540 | 1 |
| Dibenzofuran | ND | | ug/kg | 390 | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 390 | 1 |
| n-Nitrosodimethylamine | ND | | ug/kg | 3900 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 390 | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 390 | 1 |
| 2-Chlorophenol | ND | | ug/kg | 460 | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 780 | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 390 | 1 |
| 2-Nitrophenol | ND | | ug/kg | 1600 | 1 |
| 4-Nitrophenol | ND | | ug/kg | 780 | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1600 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 1600 | 1 |
| Pentachlorophenol | ND | | ug/kg | 1600 | 1 |
| Phenol | ND | | ug/kg | 540 | 1 |
| 2-Methylphenol | ND | | ug/kg | 460 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 460 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 390 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-15 Date Collected: 08/12/09 15:00

Client ID: SB-21 (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Benzoic Acid | ND | | ug/kg | 3900 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 780 | 1 |
| Carbazole | 400 | | ug/kg | 390 | 1 |
| Pyridine | ND | | ug/kg | 3900 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 49 | | 25-120 |
| Phenol-d6 | 50 | | 10-120 |
| Nitrobenzene-d5 | 49 | | 23-120 |
| 2-Fluorobiphenyl | 51 | | 30-120 |
| 2,4,6-Tribromophenol | 69 | | 0-136 |
| 4-Terphenyl-d14 | 57 | | 18-120 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-17 | Date Collected: | 08/14/09 11:00 |
| Client ID: | SB-22 (0'-3') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270C | Extraction Date: | 08/17/09 12:37 |
| Analytical Date: | 08/19/09 13:59 | | |
| Analyst: | PS | | |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Acenaphthene | ND | | ug/kg | 390 | 1 |
| Benzidine | ND | | ug/kg | 3900 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 390 | 1 |
| Hexachlorobenzene | ND | | ug/kg | 390 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 390 | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 460 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 390 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 390 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 390 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 780 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 390 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 390 | 1 |
| Azobenzene | ND | | ug/kg | 390 | 1 |
| Fluoranthene | 1400 | | ug/kg | 390 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 390 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 390 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 390 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 390 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 780 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 780 | 1 |
| Hexachloroethane | ND | | ug/kg | 390 | 1 |
| Isophorone | ND | | ug/kg | 390 | 1 |
| Naphthalene | ND | | ug/kg | 390 | 1 |
| Nitrobenzene | ND | | ug/kg | 390 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 1200 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 780 | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 390 | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 390 | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 390 | 1 |
| Diethyl phthalate | ND | | ug/kg | 390 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-17 Date Collected: 08/14/09 11:00

Client ID: SB-22 (0'-3') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 390 | 1 |
| Benzo(a)anthracene | 700 | | ug/kg | 390 | 1 |
| Benzo(a)pyrene | 650 | | ug/kg | 390 | 1 |
| Benzo(b)fluoranthene | 710 | | ug/kg | 390 | 1 |
| Benzo(k)fluoranthene | 640 | | ug/kg | 390 | 1 |
| Chrysene | 740 | | ug/kg | 390 | 1 |
| Acenaphthylene | ND | | ug/kg | 390 | 1 |
| Anthracene | ND | | ug/kg | 390 | 1 |
| Benzo(ghi)perylene | 430 | | ug/kg | 390 | 1 |
| Fluorene | ND | | ug/kg | 390 | 1 |
| Phenanthrene | 490 | | ug/kg | 390 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 390 | 1 |
| Indeno(1,2,3-cd)Pyrene | 400 | | ug/kg | 390 | 1 |
| Pyrene | 1100 | | ug/kg | 390 | 1 |
| Aniline | ND | | ug/kg | 780 | 1 |
| 4-Chloroaniline | ND | | ug/kg | 390 | 1 |
| 1-Methylnaphthalene | ND | | ug/kg | 390 | 1 |
| 2-Nitroaniline | ND | | ug/kg | 390 | 1 |
| 3-Nitroaniline | ND | | ug/kg | 390 | 1 |
| 4-Nitroaniline | ND | | ug/kg | 540 | 1 |
| Dibenzofuran | ND | | ug/kg | 390 | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 390 | 1 |
| n-Nitrosodimethylamine | ND | | ug/kg | 3900 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 390 | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 390 | 1 |
| 2-Chlorophenol | ND | | ug/kg | 460 | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 780 | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 390 | 1 |
| 2-Nitrophenol | ND | | ug/kg | 1600 | 1 |
| 4-Nitrophenol | ND | | ug/kg | 780 | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1600 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 1600 | 1 |
| Pentachlorophenol | ND | | ug/kg | 1600 | 1 |
| Phenol | ND | | ug/kg | 540 | 1 |
| 2-Methylphenol | ND | | ug/kg | 460 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 460 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 390 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-17 Date Collected: 08/14/09 11:00

Client ID: SB-22 (0'-3') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Benzoic Acid | ND | | ug/kg | 3900 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 780 | 1 |
| Carbazole | ND | | ug/kg | 390 | 1 |
| Pyridine | ND | | ug/kg | 3900 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 56 | | 25-120 |
| Phenol-d6 | 55 | | 10-120 |
| Nitrobenzene-d5 | 55 | | 23-120 |
| 2-Fluorobiphenyl | 53 | | 30-120 |
| 2,4,6-Tribromophenol | 68 | | 0-136 |
| 4-Terphenyl-d14 | 57 | | 18-120 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-19 | Date Collected: | 08/12/09 09:00 |
| Client ID: | SB-25 (0'-3') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270C | Extraction Date: | 08/17/09 12:37 |
| Analytical Date: | 08/18/09 23:27 | | |
| Analyst: | PS | | |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Acenaphthene | ND | | ug/kg | 380 | 1 |
| Benzidine | ND | | ug/kg | 3800 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 380 | 1 |
| Hexachlorobenzene | ND | | ug/kg | 380 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 380 | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 460 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 380 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 380 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 380 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 770 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 380 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 380 | 1 |
| Azobenzene | ND | | ug/kg | 380 | 1 |
| Fluoranthene | 1500 | | ug/kg | 380 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 380 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 380 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 380 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 380 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 770 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 770 | 1 |
| Hexachloroethane | ND | | ug/kg | 380 | 1 |
| Isophorone | ND | | ug/kg | 380 | 1 |
| Naphthalene | ND | | ug/kg | 380 | 1 |
| Nitrobenzene | ND | | ug/kg | 380 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 1100 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 770 | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 380 | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 380 | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 380 | 1 |
| Diethyl phthalate | ND | | ug/kg | 380 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-19 Date Collected: 08/12/09 09:00

Client ID: SB-25 (0'-3') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 380 | 1 |
| Benzo(a)anthracene | 1100 | | ug/kg | 380 | 1 |
| Benzo(a)pyrene | 950 | | ug/kg | 380 | 1 |
| Benzo(b)fluoranthene | 1300 | | ug/kg | 380 | 1 |
| Benzo(k)fluoranthene | 1000 | | ug/kg | 380 | 1 |
| Chrysene | 1200 | | ug/kg | 380 | 1 |
| Acenaphthylene | ND | | ug/kg | 380 | 1 |
| Anthracene | ND | | ug/kg | 380 | 1 |
| Benzo(ghi)perylene | 580 | | ug/kg | 380 | 1 |
| Fluorene | ND | | ug/kg | 380 | 1 |
| Phenanthrene | ND | | ug/kg | 380 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 380 | 1 |
| Indeno(1,2,3-cd)Pyrene | 610 | | ug/kg | 380 | 1 |
| Pyrene | 1200 | | ug/kg | 380 | 1 |
| Aniline | ND | | ug/kg | 770 | 1 |
| 4-Chloroaniline | ND | | ug/kg | 380 | 1 |
| 1-Methylnaphthalene | ND | | ug/kg | 380 | 1 |
| 2-Nitroaniline | ND | | ug/kg | 380 | 1 |
| 3-Nitroaniline | ND | | ug/kg | 380 | 1 |
| 4-Nitroaniline | ND | | ug/kg | 540 | 1 |
| Dibenzofuran | ND | | ug/kg | 380 | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 380 | 1 |
| n-Nitrosodimethylamine | ND | | ug/kg | 3800 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 380 | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 380 | 1 |
| 2-Chlorophenol | ND | | ug/kg | 460 | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 770 | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 380 | 1 |
| 2-Nitrophenol | ND | | ug/kg | 1500 | 1 |
| 4-Nitrophenol | ND | | ug/kg | 770 | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1500 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 1500 | 1 |
| Pentachlorophenol | ND | | ug/kg | 1500 | 1 |
| Phenol | ND | | ug/kg | 540 | 1 |
| 2-Methylphenol | ND | | ug/kg | 460 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 460 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 380 | 1 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-19 Date Collected: 08/12/09 09:00

Client ID: SB-25 (0'-3') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Benzoic Acid | ND | | ug/kg | 3800 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 770 | 1 |
| Carbazole | ND | | ug/kg | 380 | 1 |
| Pyridine | ND | | ug/kg | 3800 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 57 | | 25-120 |
| Phenol-d6 | 55 | | 10-120 |
| Nitrobenzene-d5 | 59 | | 23-120 |
| 2-Fluorobiphenyl | 53 | | 30-120 |
| 2,4,6-Tribromophenol | 63 | | 0-136 |
| 4-Terphenyl-d14 | 53 | | 18-120 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 08/18/09 10:40
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/17/09 12:37

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05,07,09,11,13,15,17,19 Batch: WG375725-1 | | | | |
| Acenaphthene | ND | | ug/kg | 330 |
| Benzidine | ND | | ug/kg | 3300 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 330 |
| Hexachlorobenzene | ND | | ug/kg | 330 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 330 |
| 2-Chloronaphthalene | ND | | ug/kg | 400 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 330 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 330 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 330 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 670 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 330 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 330 |
| Azobenzene | ND | | ug/kg | 330 |
| Fluoranthene | ND | | ug/kg | 330 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 330 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 330 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 330 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 330 |
| Hexachlorobutadiene | ND | | ug/kg | 670 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 670 |
| Hexachloroethane | ND | | ug/kg | 330 |
| Isophorone | ND | | ug/kg | 330 |
| Naphthalene | ND | | ug/kg | 330 |
| Nitrobenzene | ND | | ug/kg | 330 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 1000 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 670 |
| Butyl benzyl phthalate | ND | | ug/kg | 330 |
| Di-n-butylphthalate | ND | | ug/kg | 330 |
| Di-n-octylphthalate | ND | | ug/kg | 330 |
| Diethyl phthalate | ND | | ug/kg | 330 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 08/18/09 10:40
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/17/09 12:37

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05,07,09,11,13,15,17,19 Batch: WG375725-1 | | | | |
| Dimethyl phthalate | ND | | ug/kg | 330 |
| Benzo(a)anthracene | ND | | ug/kg | 330 |
| Benzo(a)pyrene | ND | | ug/kg | 330 |
| Benzo(b)fluoranthene | ND | | ug/kg | 330 |
| Benzo(k)fluoranthene | ND | | ug/kg | 330 |
| Chrysene | ND | | ug/kg | 330 |
| Acenaphthylene | ND | | ug/kg | 330 |
| Anthracene | ND | | ug/kg | 330 |
| Benzo(ghi)perylene | ND | | ug/kg | 330 |
| Fluorene | ND | | ug/kg | 330 |
| Phenanthrene | ND | | ug/kg | 330 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 330 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/kg | 330 |
| Pyrene | ND | | ug/kg | 330 |
| Aniline | ND | | ug/kg | 670 |
| 4-Chloroaniline | ND | | ug/kg | 330 |
| 1-Methylnaphthalene | ND | | ug/kg | 330 |
| 2-Nitroaniline | ND | | ug/kg | 330 |
| 3-Nitroaniline | ND | | ug/kg | 330 |
| 4-Nitroaniline | ND | | ug/kg | 470 |
| Dibenzofuran | ND | | ug/kg | 330 |
| 2-Methylnaphthalene | ND | | ug/kg | 330 |
| n-Nitrosodimethylamine | ND | | ug/kg | 3300 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 330 |
| P-Chloro-M-Cresol | ND | | ug/kg | 330 |
| 2-Chlorophenol | ND | | ug/kg | 400 |
| 2,4-Dichlorophenol | ND | | ug/kg | 670 |
| 2,4-Dimethylphenol | ND | | ug/kg | 330 |
| 2-Nitrophenol | ND | | ug/kg | 1300 |
| 4-Nitrophenol | ND | | ug/kg | 670 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 08/18/09 10:40
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/17/09 12:37

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05,07,09,11,13,15,17,19 Batch: WG375725-1 | | | | |
| 2,4-Dinitrophenol | ND | | ug/kg | 1300 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 1300 |
| Pentachlorophenol | ND | | ug/kg | 1300 |
| Phenol | ND | | ug/kg | 470 |
| 2-Methylphenol | ND | | ug/kg | 400 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 400 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 330 |
| Benzoic Acid | ND | | ug/kg | 3300 |
| Benzyl Alcohol | ND | | ug/kg | 670 |
| Carbazole | ND | | ug/kg | 330 |
| Pyridine | ND | | ug/kg | 3300 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 70 | | 25-120 |
| Phenol-d6 | 66 | | 10-120 |
| Nitrobenzene-d5 | 66 | | 23-120 |
| 2-Fluorobiphenyl | 69 | | 30-120 |
| 2,4,6-Tribromophenol | 77 | | 0-136 |
| 4-Terphenyl-d14 | 74 | | 18-120 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.

**Project Number:** Not Specified

**Lab Number:** L0911346

**Report Date:** 08/24/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19 Batch: WG375725-2 WG375725-3 | | | | | |
| Acenaphthene | 75 | 57 | 31-137 | 27 | 50 |
| 1,2,4-Trichlorobenzene | 76 | 56 | 38-107 | 30 | 50 |
| 2-Chloronaphthalene | 91 | 69 | 40-140 | 28 | 50 |
| 1,2-Dichlorobenzene | 71 | 53 | 40-140 | 29 | 50 |
| 1,4-Dichlorobenzene | 70 | 52 | 28-104 | 30 | 50 |
| 2,4-Dinitrotoluene | **97** | 72 | 28-89 | 30 | 50 |
| 2,6-Dinitrotoluene | 83 | 63 | 40-140 | 27 | 50 |
| Fluoranthene | 92 | 71 | 40-140 | 26 | 50 |
| 4-Chlorophenyl phenyl ether | 83 | 61 | 40-140 | 31 | 50 |
| n-Nitrosodi-n-propylamine | 68 | 49 | 41-126 | 32 | 50 |
| Butyl benzyl phthalate | 89 | 67 | 40-140 | 28 | 50 |
| Anthracene | 88 | 65 | 40-140 | 30 | 50 |
| Pyrene | 86 | 66 | 35-142 | 26 | 50 |
| P-Chloro-M-Cresol | 81 | 62 | 26-103 | 27 | 50 |
| 2-Chlorophenol | 73 | 54 | 25-102 | 30 | 50 |
| 2-Nitrophenol | 84 | 61 | 30-130 | 32 | 50 |
| 4-Nitrophenol | 88 | 66 | 11-114 | 29 | 50 |
| 2,4-Dinitrophenol | 82 | 58 | 4-130 | 34 | 50 |
| Pentachlorophenol | 85 | 64 | 17-109 | 28 | 50 |
| Phenol | 74 | 54 | 26-90 | 31 | 50 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.

**Project Number:** Not Specified

**Lab Number:** L0911346

**Report Date:** 08/24/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19 Batch: WG375725-2 WG375725-3

| Surrogate | LCS %Recovery | Qualifier | LCSD %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 67 | | 58 | | 25-120 |
| Phenol-d6 | 64 | | 55 | | 10-120 |
| Nitrobenzene-d5 | 62 | | 55 | | 23-120 |
| 2-Fluorobiphenyl | 70 | | 59 | | 30-120 |
| 2,4,6-Tribromophenol | 89 | | 75 | | 0-136 |
| 4-Terphenyl-d14 | 77 | | 67 | | 18-120 |

# PETROLEUM HYDROCARBONS

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-02 | Date Collected: | 08/12/09 09:30 |
| Client ID: | SB-13 (6'-8') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | Extraction Date: | 08/17/09 08:55 |
| Analytical Date: | 08/18/09 13:55 | | |
| Analyst: | RT | | |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | |
| TPH | 156000 | | ug/kg | 38300 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 55 | | 40-140 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-04 | Date Collected: | 08/12/09 10:30 |
| Client ID: | SB-14 (4'-5') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | Extraction Date: | 08/17/09 08:55 |
| Analytical Date: | 08/18/09 15:39 | | |
| Analyst: | RT | | |
| Percent Solids: | 92% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | |
| TPH | 350000 | | ug/kg | 36200 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 61 | | 40-140 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-06 | Date Collected: | 08/12/09 11:30 |
| Client ID: | SB-15 (2'-4.5') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | Extraction Date: | 08/17/09 08:55 |
| Analytical Date: | 08/18/09 16:13 | | |
| Analyst: | RT | | |
| Percent Solids: | 92% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | |
| TPH | 417000 | | ug/kg | 36200 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 55 | | 40-140 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-08 | Date Collected: | 08/14/09 12:30 |
| Client ID: | SB-18A (2'-5') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | Extraction Date: | 08/17/09 08:55 |
| Analytical Date: | 08/18/09 13:21 | | |
| Analyst: | RT | | |
| Percent Solids: | 84% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | |
| TPH | ND | | ug/kg | 39700 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 52 | | 40-140 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-10 | Date Collected: | 08/14/09 11:30 |
| Client ID: | SB-18 (4'-5') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | Extraction Date: | 08/17/09 08:55 |
| Analytical Date: | 08/18/09 15:04 | | |
| Analyst: | RT | | |
| Percent Solids: | 84% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | |
| TPH | 68100 | | ug/kg | 39700 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 58 | | 40-140 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-12 | Date Collected: | 08/14/09 14:00 |
| Client ID: | SB-19 (8'-10') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | Extraction Date: | 08/17/09 08:55 |
| Analytical Date: | 08/18/09 12:12 | | |
| Analyst: | RT | | |
| Percent Solids: | 90% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | |
| TPH | ND | | ug/kg | 37000 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 63 | | 40-140 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-14 | Date Collected: | 08/14/09 10:30 |
| Client ID: | SB-20 (8'-10') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | Extraction Date: | 08/17/09 08:55 |
| Analytical Date: | 08/18/09 12:46 | | |
| Analyst: | RT | | |
| Percent Solids: | 95% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | |
| TPH | ND | | ug/kg | 35100 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 55 | | 40-140 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-16 | Date Collected: | 08/12/09 15:00 |
| Client ID: | SB-21 (2'-5') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | Extraction Date: | 08/17/09 08:55 |
| Analytical Date: | 08/18/09 15:39 | | |
| Analyst: | RT | | |
| Percent Solids: | 63% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | |
| TPH | 337000 | | ug/kg | 52900 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 56 | | 40-140 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-18 | Date Collected: | 08/14/09 11:00 |
| Client ID: | SB-22 (3'-5') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | Extraction Date: | 08/17/09 08:55 |
| Analytical Date: | 08/18/09 10:29 | | |
| Analyst: | RT | | |
| Percent Solids: | 94% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | |
| TPH | ND | | ug/kg | 35500 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 61 | | 40-140 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-20 | Date Collected: | 08/12/09 09:00 |
| Client ID: | SB-25 (7'-8') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | Extraction Date: | 08/17/09 08:55 |
| Analytical Date: | 08/18/09 11:03 | | |
| Analyst: | RT | | |
| Percent Solids: | 88% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | |
| TPH | ND | | ug/kg | 37900 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 55 | | 40-140 |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8015B(M)
Analytical Date: 08/17/09 14:02
Analyst: RT

Extraction Method: EPA 3546
Extraction Date: 08/17/09 08:55

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 02,04,06,08,10,12,14,16,18,20 Batch: WG375684-1 | | | | |
| TPH | ND | | ug/kg | 33300 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 68 | | 40-140 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.

**Project Number:** Not Specified

**Lab Number:** L0911346

**Report Date:** 08/24/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20 Batch: WG375684-2 | | | | | |
| TPH | 68 | - | 40-140 | - | |

| Surrogate | LCS %Recovery | Qualifier | LCSD %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| o-Terphenyl | 72 | | | | 40-140 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20 QC Batch ID: WG375684-3 QC Sample: L0911149-01 Client ID: DUP Sample | | | | | |
| TPH | 479000 | 191000 | ug/kg | **86** | 40 |

| Surrogate | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| o-Terphenyl | 65 | | 67 | | 40-140 |

# PCBS

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-01 | Date Collected: | 08/12/09 09:30 |
| Client ID: | SB-13 (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/20/09 21:00 |
| Analytical Date: | 08/22/09 17:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 08/22/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 77.5 | 2 |
| Aroclor 1221 | ND | | ug/kg | 77.5 | 2 |
| Aroclor 1232 | ND | | ug/kg | 77.5 | 2 |
| Aroclor 1242 | ND | | ug/kg | 77.5 | 2 |
| Aroclor 1248 | ND | | ug/kg | 77.5 | 2 |
| Aroclor 1254 | ND | | ug/kg | 77.5 | 2 |
| Aroclor 1260 | ND | | ug/kg | 77.5 | 2 |
| Aroclor 1262 | ND | | ug/kg | 77.5 | 2 |
| Aroclor 1268 | ND | | ug/kg | 77.5 | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 116 | | 30-150 | A |
| Decachlorobiphenyl | 134 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 30-150 | B |
| Decachlorobiphenyl | 139 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-03 | Date Collected: | 08/12/09 10:30 |
| Client ID: | SB-14 (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/15/09 14:03 |
| Analytical Date: | 08/19/09 17:48 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 93% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 179 | 5 |
| Aroclor 1221 | ND | | ug/kg | 179 | 5 |
| Aroclor 1232 | ND | | ug/kg | 179 | 5 |
| Aroclor 1242 | ND | | ug/kg | 179 | 5 |
| Aroclor 1248 | ND | | ug/kg | 179 | 5 |
| Aroclor 1254 | ND | | ug/kg | 179 | 5 |
| Aroclor 1260 | ND | | ug/kg | 179 | 5 |
| Aroclor 1262 | ND | | ug/kg | 179 | 5 |
| Aroclor 1268 | ND | | ug/kg | 179 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 | A |
| Decachlorobiphenyl | 99 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | B |
| Decachlorobiphenyl | 138 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-05 | Date Collected: | 08/12/09 11:30 |
| Client ID: | SB-15 (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/15/09 14:03 |
| Analytical Date: | 08/19/09 18:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 196 | 5 |
| Aroclor 1221 | ND | | ug/kg | 196 | 5 |
| Aroclor 1232 | ND | | ug/kg | 196 | 5 |
| Aroclor 1242 | ND | | ug/kg | 196 | 5 |
| Aroclor 1248 | ND | | ug/kg | 196 | 5 |
| Aroclor 1254 | ND | | ug/kg | 196 | 5 |
| Aroclor 1260 | ND | | ug/kg | 196 | 5 |
| Aroclor 1262 | ND | | ug/kg | 196 | 5 |
| Aroclor 1268 | ND | | ug/kg | 196 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 106 | | 30-150 | A |
| Decachlorobiphenyl | 111 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | B |
| Decachlorobiphenyl | 128 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-07 | Date Collected: | 08/14/09 12:30 |
| Client ID: | SB-18A (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/15/09 14:03 |
| Analytical Date: | 08/19/09 18:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 95% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.1 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.1 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.1 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.1 | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.1 | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.1 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.1 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.1 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 | B |
| Decachlorobiphenyl | 78 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-09 | Date Collected: | 08/14/09 11:30 |
| Client ID: | SB-18 (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/15/09 14:03 |
| Analytical Date: | 08/20/09 17:13 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 94% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 177 | 5 |
| Aroclor 1221 | ND | | ug/kg | 177 | 5 |
| Aroclor 1232 | ND | | ug/kg | 177 | 5 |
| Aroclor 1242 | ND | | ug/kg | 177 | 5 |
| Aroclor 1248 | 313 | | ug/kg | 177 | 5 |
| Aroclor 1254 | 397 | | ug/kg | 177 | 5 |
| Aroclor 1260 | ND | | ug/kg | 177 | 5 |
| Aroclor 1262 | ND | | ug/kg | 177 | 5 |
| Aroclor 1268 | ND | | ug/kg | 177 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 102 | | 30-150 | A |
| Decachlorobiphenyl | 90 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | B |
| Decachlorobiphenyl | 97 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-11 | Date Collected: | 08/14/09 14:00 |
| Client ID: | SB-19 (0'-4') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/15/09 14:03 |
| Analytical Date: | 08/19/09 13:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 92% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 181 | 5 |
| Aroclor 1221 | ND | | ug/kg | 181 | 5 |
| Aroclor 1232 | ND | | ug/kg | 181 | 5 |
| Aroclor 1242 | ND | | ug/kg | 181 | 5 |
| Aroclor 1248 | ND | | ug/kg | 181 | 5 |
| Aroclor 1254 | ND | | ug/kg | 181 | 5 |
| Aroclor 1260 | ND | | ug/kg | 181 | 5 |
| Aroclor 1262 | ND | | ug/kg | 181 | 5 |
| Aroclor 1268 | ND | | ug/kg | 181 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 116 | | 30-150 | A |
| Decachlorobiphenyl | 132 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 111 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-13 | Date Collected: | 08/14/09 10:30 |
| Client ID: | SB-20 (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/15/09 14:03 |
| Analytical Date: | 08/19/09 13:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 95% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 175 | 5 |
| Aroclor 1221 | ND | | ug/kg | 175 | 5 |
| Aroclor 1232 | ND | | ug/kg | 175 | 5 |
| Aroclor 1242 | ND | | ug/kg | 175 | 5 |
| Aroclor 1248 | ND | | ug/kg | 175 | 5 |
| Aroclor 1254 | ND | | ug/kg | 175 | 5 |
| Aroclor 1260 | ND | | ug/kg | 175 | 5 |
| Aroclor 1262 | ND | | ug/kg | 175 | 5 |
| Aroclor 1268 | ND | | ug/kg | 175 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 114 | | 30-150 | A |
| Decachlorobiphenyl | 139 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 132 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-15 | Date Collected: | 08/12/09 15:00 |
| Client ID: | SB-21 (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/15/09 14:03 |
| Analytical Date: | 08/20/09 10:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 29700 | | ug/kg | 7750 | 200 |
| Aroclor 1254 | 15500 | | ug/kg | 7750 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | | 30-150 | A |
| Decachlorobiphenyl | **0** | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | | 30-150 | B |
| Decachlorobiphenyl | **0** | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-15 | Date Collected: | 08/12/09 15:00 |
| Client ID: | SB-21 (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/15/09 14:03 |
| Analytical Date: | 08/20/09 10:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7750 | 200 |
| Aroclor 1221 | ND | | ug/kg | 7750 | 200 |
| Aroclor 1232 | ND | | ug/kg | 7750 | 200 |
| Aroclor 1242 | ND | | ug/kg | 7750 | 200 |
| Aroclor 1260 | ND | | ug/kg | 7750 | 200 |
| Aroclor 1262 | ND | | ug/kg | 7750 | 200 |
| Aroclor 1268 | ND | | ug/kg | 7750 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | | 30-150 | A |
| Decachlorobiphenyl | **0** | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | | 30-150 | B |
| Decachlorobiphenyl | **0** | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-17 | Date Collected: | 08/14/09 11:00 |
| Client ID: | SB-22 (0'-3') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 08/17/09 09:03 |
| Analytical Date: | 08/20/09 09:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 194 | 5 |
| Aroclor 1221 | ND | | ug/kg | 194 | 5 |
| Aroclor 1232 | ND | | ug/kg | 194 | 5 |
| Aroclor 1242 | ND | | ug/kg | 194 | 5 |
| Aroclor 1248 | 700 | | ug/kg | 194 | 5 |
| Aroclor 1262 | ND | | ug/kg | 194 | 5 |
| Aroclor 1268 | ND | | ug/kg | 194 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | A |
| Decachlorobiphenyl | 105 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | B |
| Decachlorobiphenyl | **167** | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-17 | Date Collected: | 08/14/09 11:00 |
| Client ID: | SB-22 (0'-3') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 08/17/09 09:03 |
| Analytical Date: | 08/20/09 09:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1254 | 940 | | ug/kg | 194 | 5 |
| Aroclor 1260 | 303 | | ug/kg | 194 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | A |
| Decachlorobiphenyl | 105 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | B |
| Decachlorobiphenyl | **167** | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-19 | Date Collected: | 08/12/09 09:00 |
| Client ID: | SB-25 (0'-3') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 08/17/09 09:03 |
| Analytical Date: | 08/20/09 10:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 383 | 10 |
| Aroclor 1221 | ND | | ug/kg | 383 | 10 |
| Aroclor 1232 | ND | | ug/kg | 383 | 10 |
| Aroclor 1242 | ND | | ug/kg | 383 | 10 |
| Aroclor 1248 | 3870 | | ug/kg | 383 | 10 |
| Aroclor 1254 | 1910 | | ug/kg | 383 | 10 |
| Aroclor 1260 | ND | | ug/kg | 383 | 10 |
| Aroclor 1262 | ND | | ug/kg | 383 | 10 |
| Aroclor 1268 | ND | | ug/kg | 383 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | | 30-150 | A |
| Decachlorobiphenyl | **0** | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | | 30-150 | B |
| Decachlorobiphenyl | **0** | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 08/19/09 13:54
Analyst: SH

Extraction Method: EPA 3540C
Extraction Date: 08/15/09 14:02
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/18/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 03,05,07,09,11,13,15 Batch: WG375646-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 |
| Aroclor 1221 | ND | | ug/kg | 33.3 |
| Aroclor 1232 | ND | | ug/kg | 33.3 |
| Aroclor 1242 | ND | | ug/kg | 33.3 |
| Aroclor 1248 | ND | | ug/kg | 33.3 |
| Aroclor 1254 | ND | | ug/kg | 33.3 |
| Aroclor 1260 | ND | | ug/kg | 33.3 |
| Aroclor 1262 | ND | | ug/kg | 33.3 |
| Aroclor 1268 | ND | | ug/kg | 33.3 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 103 | | 30-150 | A |
| Decachlorobiphenyl | 94 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 105 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 08/18/09 12:24
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 08/17/09 09:03
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/17/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 17,19 Batch: WG375686-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 |
| Aroclor 1221 | ND | | ug/kg | 33.3 |
| Aroclor 1232 | ND | | ug/kg | 33.3 |
| Aroclor 1242 | ND | | ug/kg | 33.3 |
| Aroclor 1248 | ND | | ug/kg | 33.3 |
| Aroclor 1254 | ND | | ug/kg | 33.3 |
| Aroclor 1260 | ND | | ug/kg | 33.3 |
| Aroclor 1262 | ND | | ug/kg | 33.3 |
| Aroclor 1268 | ND | | ug/kg | 33.3 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 41 | | 30-150 | A |
| Decachlorobiphenyl | 40 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 37 | | 30-150 | B |
| Decachlorobiphenyl | 45 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 08/22/09 17:21
Analyst: SH

Extraction Method: EPA 3540C
Extraction Date: 08/20/09 21:00
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/22/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01 Batch: WG376426-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 |
| Aroclor 1221 | ND | | ug/kg | 33.3 |
| Aroclor 1232 | ND | | ug/kg | 33.3 |
| Aroclor 1242 | ND | | ug/kg | 33.3 |
| Aroclor 1248 | ND | | ug/kg | 33.3 |
| Aroclor 1254 | ND | | ug/kg | 33.3 |
| Aroclor 1260 | ND | | ug/kg | 33.3 |
| Aroclor 1262 | ND | | ug/kg | 33.3 |
| Aroclor 1268 | ND | | ug/kg | 33.3 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | A |
| Decachlorobiphenyl | 143 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 120 | | 30-150 | B |
| Decachlorobiphenyl | **155** | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 03,05,07,09,11,13,15 Batch: WG375646-2 WG375646-3 | | | | | |
| Aroclor 1016 | 102 | 95 | 40-140 | 7 | 50 |
| Aroclor 1260 | 90 | 93 | 40-140 | 3 | 50 |

| Surrogate | LCS %Recovery | Qualifier | LCSD %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 97 | | 94 | | 30-150 | A |
| Decachlorobiphenyl | 95 | | 93 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 72 | | 30-150 | B |
| Decachlorobiphenyl | 94 | | 97 | | 30-150 | B |

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 17,19 Batch: WG375686-2 WG375686-3 | | | | | |
| Aroclor 1016 | 45 | 51 | 40-140 | 13 | 50 |
| Aroclor 1260 | 49 | 55 | 40-140 | 12 | 50 |

| Surrogate | LCS %Recovery | Qualifier | LCSD %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 46 | | 49 | | 30-150 | A |
| Decachlorobiphenyl | 50 | | 56 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 42 | | 47 | | 30-150 | B |
| Decachlorobiphenyl | 54 | | 60 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.

**Project Number:** Not Specified

**Lab Number:** L0911346

**Report Date:** 08/24/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01 Batch: WG376426-2 WG376426-3 | | | | | |
| Aroclor 1016 | 113 | 90 | 40-140 | 23 | 50 |
| Aroclor 1260 | 111 | 117 | 40-140 | 5 | 50 |

| Surrogate | LCS %Recovery | Qualifier | LCSD %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 88 | | 30-150 | A |
| Decachlorobiphenyl | 141 | | 155 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 73 | | 30-150 | B |
| Decachlorobiphenyl | 117 | | 123 | | 30-150 | B |

# PESTICIDES

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-07 | Date Collected: | 08/14/09 12:30 |
| Client ID: | SB-18A (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3545 |
| Analytical Method: | 1, 8081 | Extraction Date: | 08/15/09 12:16 |
| Analytical Date: | 08/18/09 20:09 | Cleanup Method1: | EPA 3620B |
| Analyst: | JB | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 95% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Pesticides by GC - Westborough Lab** | | | | | |
| Delta-BHC | ND | | ug/kg | 3.51 | 1 |
| Lindane | ND | | ug/kg | 3.51 | 1 |
| Alpha-BHC | ND | | ug/kg | 3.51 | 1 |
| Beta-BHC | ND | | ug/kg | 3.51 | 1 |
| Heptachlor | ND | | ug/kg | 3.51 | 1 |
| Aldrin | ND | | ug/kg | 3.51 | 1 |
| Heptachlor epoxide | ND | | ug/kg | 3.51 | 1 |
| Endrin | ND | | ug/kg | 3.51 | 1 |
| Endrin aldehyde | ND | | ug/kg | 3.51 | 1 |
| Endrin ketone | ND | | ug/kg | 3.51 | 1 |
| Dieldrin | ND | | ug/kg | 3.51 | 1 |
| 4,4'-DDE | ND | | ug/kg | 3.51 | 1 |
| 4,4'-DDD | ND | | ug/kg | 3.51 | 1 |
| 4,4'-DDT | ND | | ug/kg | 3.51 | 1 |
| Endosulfan I | ND | | ug/kg | 3.51 | 1 |
| Endosulfan II | ND | | ug/kg | 3.51 | 1 |
| Endosulfan sulfate | ND | | ug/kg | 3.51 | 1 |
| Methoxychlor | ND | | ug/kg | 14.0 | 1 |
| Toxaphene | ND | | ug/kg | 35.1 | 1 |
| Chlordane | ND | | ug/kg | 35.1 | 1 |
| cis-Chlordane | ND | | ug/kg | 3.51 | 1 |
| trans-Chlordane | ND | | ug/kg | 3.51 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 30-150 | A |
| Decachlorobiphenyl | 55 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 36 | | 30-150 | B |
| Decachlorobiphenyl | 61 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-09 | Date Collected: | 08/14/09 11:30 |
| Client ID: | SB-18 (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3545 |
| Analytical Method: | 1, 8081 | Extraction Date: | 08/15/09 12:16 |
| Analytical Date: | 08/18/09 21:52 | Cleanup Method1: | EPA 3620B |
| Analyst: | JB | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 94% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Pesticides by GC - Westborough Lab** | | | | | |
| Delta-BHC | ND | | ug/kg | 17.7 | 5 |
| Lindane | ND | | ug/kg | 17.7 | 5 |
| Alpha-BHC | ND | | ug/kg | 17.7 | 5 |
| Beta-BHC | ND | | ug/kg | 17.7 | 5 |
| Heptachlor | ND | | ug/kg | 17.7 | 5 |
| Aldrin | ND | | ug/kg | 17.7 | 5 |
| Heptachlor epoxide | ND | | ug/kg | 17.7 | 5 |
| Endrin | ND | | ug/kg | 17.7 | 5 |
| Endrin aldehyde | ND | | ug/kg | 17.7 | 5 |
| Endrin ketone | ND | | ug/kg | 17.7 | 5 |
| Dieldrin | ND | | ug/kg | 17.7 | 5 |
| 4,4'-DDE | ND | | ug/kg | 17.7 | 5 |
| 4,4'-DDD | ND | | ug/kg | 17.7 | 5 |
| 4,4'-DDT | ND | | ug/kg | 17.7 | 5 |
| Endosulfan I | ND | | ug/kg | 17.7 | 5 |
| Endosulfan II | ND | | ug/kg | 17.7 | 5 |
| Endosulfan sulfate | ND | | ug/kg | 17.7 | 5 |
| Methoxychlor | ND | | ug/kg | 70.9 | 5 |
| Toxaphene | ND | | ug/kg | 177 | 5 |
| Chlordane | ND | | ug/kg | 177 | 5 |
| cis-Chlordane | ND | | ug/kg | 17.7 | 5 |
| trans-Chlordane | ND | | ug/kg | 17.7 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 | A |
| Decachlorobiphenyl | 66 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 46 | | 30-150 | B |
| Decachlorobiphenyl | 70 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-11 | Date Collected: | 08/14/09 14:00 |
| Client ID: | SB-19 (0'-4') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3545 |
| Analytical Method: | 1, 8081 | Extraction Date: | 08/15/09 12:16 |
| Analytical Date: | 08/18/09 20:22 | Cleanup Method1: | EPA 3620B |
| Analyst: | JB | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 92% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Pesticides by GC - Westborough Lab** | | | | | |
| Delta-BHC | ND | | ug/kg | 3.62 | 1 |
| Lindane | ND | | ug/kg | 3.62 | 1 |
| Alpha-BHC | ND | | ug/kg | 3.62 | 1 |
| Beta-BHC | ND | | ug/kg | 3.62 | 1 |
| Heptachlor | ND | | ug/kg | 3.62 | 1 |
| Aldrin | ND | | ug/kg | 3.62 | 1 |
| Heptachlor epoxide | ND | | ug/kg | 3.62 | 1 |
| Endrin | ND | | ug/kg | 3.62 | 1 |
| Endrin aldehyde | ND | | ug/kg | 3.62 | 1 |
| Endrin ketone | ND | | ug/kg | 3.62 | 1 |
| Dieldrin | ND | | ug/kg | 3.62 | 1 |
| 4,4'-DDE | ND | | ug/kg | 3.62 | 1 |
| 4,4'-DDD | ND | | ug/kg | 3.62 | 1 |
| 4,4'-DDT | ND | | ug/kg | 3.62 | 1 |
| Endosulfan I | ND | | ug/kg | 3.62 | 1 |
| Endosulfan II | ND | | ug/kg | 3.62 | 1 |
| Endosulfan sulfate | ND | | ug/kg | 3.62 | 1 |
| Methoxychlor | ND | | ug/kg | 14.5 | 1 |
| Toxaphene | ND | | ug/kg | 36.2 | 1 |
| Chlordane | ND | | ug/kg | 36.2 | 1 |
| cis-Chlordane | ND | | ug/kg | 3.62 | 1 |
| trans-Chlordane | ND | | ug/kg | 3.62 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 34 | | 30-150 | A |
| Decachlorobiphenyl | 36 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **23** | | 30-150 | B |
| Decachlorobiphenyl | 49 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-13 | Date Collected: | 08/14/09 10:30 |
| Client ID: | SB-20 (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3545 |
| Analytical Method: | 1, 8081 | Extraction Date: | 08/15/09 12:16 |
| Analytical Date: | 08/18/09 20:35 | Cleanup Method1: | EPA 3620B |
| Analyst: | JB | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 95% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Pesticides by GC - Westborough Lab** | | | | | |
| Delta-BHC | ND | | ug/kg | 3.51 | 1 |
| Lindane | ND | | ug/kg | 3.51 | 1 |
| Alpha-BHC | ND | | ug/kg | 3.51 | 1 |
| Beta-BHC | ND | | ug/kg | 3.51 | 1 |
| Heptachlor | ND | | ug/kg | 3.51 | 1 |
| Aldrin | ND | | ug/kg | 3.51 | 1 |
| Heptachlor epoxide | ND | | ug/kg | 3.51 | 1 |
| Endrin | ND | | ug/kg | 3.51 | 1 |
| Endrin aldehyde | ND | | ug/kg | 3.51 | 1 |
| Endrin ketone | ND | | ug/kg | 3.51 | 1 |
| Dieldrin | ND | | ug/kg | 3.51 | 1 |
| 4,4'-DDE | ND | | ug/kg | 3.51 | 1 |
| 4,4'-DDD | ND | | ug/kg | 3.51 | 1 |
| 4,4'-DDT | ND | | ug/kg | 3.51 | 1 |
| Endosulfan I | ND | | ug/kg | 3.51 | 1 |
| Endosulfan II | ND | | ug/kg | 3.51 | 1 |
| Endosulfan sulfate | ND | | ug/kg | 3.51 | 1 |
| Methoxychlor | ND | | ug/kg | 14.0 | 1 |
| Toxaphene | ND | | ug/kg | 35.1 | 1 |
| Chlordane | ND | | ug/kg | 35.1 | 1 |
| cis-Chlordane | ND | | ug/kg | 3.51 | 1 |
| trans-Chlordane | ND | | ug/kg | 3.51 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | A |
| Decachlorobiphenyl | 58 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 43 | | 30-150 | B |
| Decachlorobiphenyl | 67 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-15 | Date Collected: | 08/12/09 15:00 |
| Client ID: | SB-21 (0'-2') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3545 |
| Analytical Method: | 1, 8081 | Extraction Date: | 08/15/09 12:16 |
| Analytical Date: | 08/20/09 23:24 | Cleanup Method1: | EPA 3620B |
| Analyst: | JB | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Pesticides by GC - Westborough Lab** | | | | | |
| Delta-BHC | 848 | | ug/kg | 3.88 | 1 |
| Lindane | 301 | | ug/kg | 3.88 | 1 |
| Alpha-BHC | 64.6 | | ug/kg | 3.88 | 1 |
| Beta-BHC | 306 | | ug/kg | 3.88 | 1 |
| Heptachlor | ND | | ug/kg | 3.88 | 1 |
| Aldrin | ND | | ug/kg | 3.88 | 1 |
| Heptachlor epoxide | ND | | ug/kg | 3.88 | 1 |
| Endrin | ND | | ug/kg | 3.88 | 1 |
| Endrin aldehyde | ND | | ug/kg | 3.88 | 1 |
| Endrin ketone | ND | | ug/kg | 3.88 | 1 |
| Dieldrin | 401 | | ug/kg | 3.88 | 1 |
| 4,4'-DDE | ND | | ug/kg | 3.88 | 1 |
| 4,4'-DDD | ND | | ug/kg | 3.88 | 1 |
| 4,4'-DDT | 395 | P | ug/kg | 3.88 | 1 |
| Endosulfan I | ND | | ug/kg | 3.88 | 1 |
| Endosulfan II | ND | | ug/kg | 3.88 | 1 |
| Endosulfan sulfate | ND | | ug/kg | 3.88 | 1 |
| Methoxychlor | ND | | ug/kg | 15.5 | 1 |
| Toxaphene | ND | | ug/kg | 38.8 | 1 |
| Chlordane | ND | | ug/kg | 38.8 | 1 |
| cis-Chlordane | ND | | ug/kg | 3.88 | 1 |
| trans-Chlordane | ND | | ug/kg | 3.88 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 | A |
| Decachlorobiphenyl | 69 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 46 | | 30-150 | B |
| Decachlorobiphenyl | 70 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-17 | Date Collected: | 08/14/09 11:00 |
| Client ID: | SB-22 (0'-3') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3545 |
| Analytical Method: | 1, 8081 | Extraction Date: | 08/15/09 12:16 |
| Analytical Date: | 08/20/09 23:37 | Cleanup Method1: | EPA 3620B |
| Analyst: | JB | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Pesticides by GC - Westborough Lab** | | | | | |
| Delta-BHC | ND | | ug/kg | 19.4 | 5 |
| Lindane | ND | | ug/kg | 19.4 | 5 |
| Alpha-BHC | ND | | ug/kg | 19.4 | 5 |
| Beta-BHC | ND | | ug/kg | 19.4 | 5 |
| Heptachlor | 51.9 | | ug/kg | 19.4 | 5 |
| Aldrin | ND | | ug/kg | 19.4 | 5 |
| Heptachlor epoxide | ND | | ug/kg | 19.4 | 5 |
| Endrin | ND | | ug/kg | 19.4 | 5 |
| Endrin aldehyde | ND | | ug/kg | 19.4 | 5 |
| Endrin ketone | ND | | ug/kg | 19.4 | 5 |
| Dieldrin | 89.3 | | ug/kg | 19.4 | 5 |
| 4,4'-DDE | ND | | ug/kg | 19.4 | 5 |
| 4,4'-DDD | ND | | ug/kg | 19.4 | 5 |
| 4,4'-DDT | ND | | ug/kg | 19.4 | 5 |
| Endosulfan I | ND | | ug/kg | 19.4 | 5 |
| Endosulfan II | ND | | ug/kg | 19.4 | 5 |
| Endosulfan sulfate | ND | | ug/kg | 19.4 | 5 |
| Methoxychlor | ND | | ug/kg | 77.5 | 5 |
| Toxaphene | ND | | ug/kg | 194 | 5 |
| Chlordane | ND | | ug/kg | 194 | 5 |
| cis-Chlordane | ND | | ug/kg | 19.4 | 5 |
| trans-Chlordane | ND | | ug/kg | 19.4 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | A |
| Decachlorobiphenyl | 77 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 30-150 | B |
| Decachlorobiphenyl | 108 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-19 | Date Collected: | 08/12/09 09:00 |
| Client ID: | SB-25 (0'-3') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3545 |
| Analytical Method: | 1, 8081 | Extraction Date: | 08/15/09 12:16 |
| Analytical Date: | 08/20/09 23:50 | Cleanup Method1: | EPA 3620B |
| Analyst: | JB | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Pesticides by GC - Westborough Lab** | | | | | |
| 4,4'-DDT | 231 | | ug/kg | 19.2 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 | A |
| Decachlorobiphenyl | 62 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 | B |
| Decachlorobiphenyl | 107 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911346-19 | Date Collected: | 08/12/09 09:00 |
| Client ID: | SB-25 (0'-3') | Date Received: | 08/14/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3545 |
| Analytical Method: | 1, 8081 | Extraction Date: | 08/15/09 12:16 |
| Analytical Date: | 08/20/09 23:50 | Cleanup Method1: | EPA 3620B |
| Analyst: | JB | Cleanup Date1: | 08/18/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Pesticides by GC - Westborough Lab** | | | | | |
| Delta-BHC | ND | | ug/kg | 19.2 | 5 |
| Lindane | ND | | ug/kg | 19.2 | 5 |
| Alpha-BHC | ND | | ug/kg | 19.2 | 5 |
| Beta-BHC | ND | | ug/kg | 19.2 | 5 |
| Heptachlor | ND | | ug/kg | 19.2 | 5 |
| Aldrin | ND | | ug/kg | 19.2 | 5 |
| Heptachlor epoxide | ND | | ug/kg | 19.2 | 5 |
| Endrin | ND | | ug/kg | 19.2 | 5 |
| Endrin aldehyde | ND | | ug/kg | 19.2 | 5 |
| Endrin ketone | ND | | ug/kg | 19.2 | 5 |
| Dieldrin | 36.6 | | ug/kg | 19.2 | 5 |
| 4,4'-DDE | 69.7 | | ug/kg | 19.2 | 5 |
| 4,4'-DDD | 228 | | ug/kg | 19.2 | 5 |
| Endosulfan I | ND | | ug/kg | 19.2 | 5 |
| Endosulfan II | ND | | ug/kg | 19.2 | 5 |
| Endosulfan sulfate | ND | | ug/kg | 19.2 | 5 |
| Methoxychlor | ND | | ug/kg | 76.6 | 5 |
| Toxaphene | ND | | ug/kg | 192 | 5 |
| Chlordane | ND | | ug/kg | 192 | 5 |
| cis-Chlordane | 30.8 | | ug/kg | 19.2 | 5 |
| trans-Chlordane | ND | | ug/kg | 19.2 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 | A |
| Decachlorobiphenyl | 62 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 | B |
| Decachlorobiphenyl | 107 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1, 8081
Analytical Date: 08/18/09 18:26
Analyst: JB

Extraction Method: EPA 3545
Extraction Date: 08/15/09 12:16
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/18/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Pesticides by GC - Westborough Lab for sample(s): 07,09,11,13,15,17,19 Batch: WG375637-1 | | | | |
| Delta-BHC | ND | | ug/kg | 3.33 |
| Lindane | ND | | ug/kg | 3.33 |
| Alpha-BHC | ND | | ug/kg | 3.33 |
| Beta-BHC | ND | | ug/kg | 3.33 |
| Heptachlor | ND | | ug/kg | 3.33 |
| Aldrin | ND | | ug/kg | 3.33 |
| Heptachlor epoxide | ND | | ug/kg | 3.33 |
| Endrin | ND | | ug/kg | 3.33 |
| Endrin aldehyde | ND | | ug/kg | 3.33 |
| Endrin ketone | ND | | ug/kg | 3.33 |
| Dieldrin | ND | | ug/kg | 3.33 |
| 4,4'-DDE | ND | | ug/kg | 3.33 |
| 4,4'-DDD | ND | | ug/kg | 3.33 |
| 4,4'-DDT | ND | | ug/kg | 3.33 |
| Endosulfan I | ND | | ug/kg | 3.33 |
| Endosulfan II | ND | | ug/kg | 3.33 |
| Endosulfan sulfate | ND | | ug/kg | 3.33 |
| Methoxychlor | ND | | ug/kg | 13.3 |
| Toxaphene | ND | | ug/kg | 33.3 |
| Chlordane | ND | | ug/kg | 33.3 |
| cis-Chlordane | ND | | ug/kg | 3.33 |
| trans-Chlordane | ND | | ug/kg | 3.33 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 | A |
| Decachlorobiphenyl | 57 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 42 | | 30-150 | B |
| Decachlorobiphenyl | 62 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.

**Project Number:** Not Specified

**Lab Number:** L0911346

**Report Date:** 08/24/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Pesticides by GC - Westborough Lab Associated sample(s): 07,09,11,13,15,17,19 Batch: WG375637-2 WG375637-3 | | | | | |
| Delta-BHC | 46 | 58 | 30-150 | 23 | 30 |
| Lindane | 48 | 56 | 30-150 | 15 | 30 |
| Alpha-BHC | 47 | 55 | 30-150 | 16 | 30 |
| Beta-BHC | 48 | 56 | 30-150 | 15 | 30 |
| Heptachlor | 53 | 62 | 30-150 | 16 | 30 |
| Aldrin | 46 | 53 | 30-150 | 14 | 30 |
| Heptachlor epoxide | 57 | 66 | 30-150 | 15 | 30 |
| Endrin | 54 | 59 | 30-150 | 9 | 30 |
| Endrin aldehyde | 35 | 44 | 30-150 | 23 | 30 |
| Endrin ketone | 53 | 62 | 30-150 | 16 | 30 |
| Dieldrin | 56 | 64 | 30-150 | 13 | 30 |
| 4,4'-DDE | 52 | 60 | 30-150 | 14 | 30 |
| 4,4'-DDD | 58 | 65 | 30-150 | 11 | 30 |
| 4,4'-DDT | 55 | 63 | 30-150 | 14 | 30 |
| Endosulfan I | 56 | 64 | 30-150 | 13 | 30 |
| Endosulfan II | 51 | 58 | 30-150 | 13 | 30 |
| Endosulfan sulfate | 45 | 57 | 30-150 | 24 | 30 |
| Methoxychlor | 58 | 72 | 30-150 | 22 | 30 |
| cis-Chlordane | 50 | 58 | 30-150 | 15 | 30 |
| trans-Chlordane | 51 | 60 | 30-150 | 16 | 30 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.

**Project Number:** Not Specified

**Lab Number:** L0911346

**Report Date:** 08/24/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|

Pesticides by GC - Westborough Lab Associated sample(s): 07,09,11,13,15,17,19 Batch: WG375637-2 WG375637-3

| Surrogate | LCS %Recovery | Qualifier | LCSD %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 35 | | 50 | | 30-150 | A |
| Decachlorobiphenyl | 38 | | 54 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 27 | | 39 | | 30-150 | B |
| Decachlorobiphenyl | 42 | | 61 | | 30-150 | B |

# METALS

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-01 Date Collected: 08/12/09 09:30

Client ID: SB-13 (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 14 | | mg/kg | 2.2 | 5 | 08/18/09 14:15 | 08/20/09 21:52 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 110 | | mg/kg | 2.2 | 5 | 08/18/09 14:15 | 08/20/09 21:52 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | ND | | mg/kg | 1.1 | 5 | 08/18/09 14:15 | 08/20/09 21:52 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | 3.2 | | mg/kg | 2.2 | 5 | 08/18/09 14:15 | 08/20/09 21:52 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 30 | | mg/kg | 2.2 | 5 | 08/18/09 14:15 | 08/20/09 21:52 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 140 | | mg/kg | 11 | 5 | 08/18/09 14:15 | 08/20/09 21:52 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | 0.20 | | mg/kg | 0.09 | 1 | 08/17/09 14:05 | 08/18/09 12:33 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 4.3 | 5 | 08/18/09 14:15 | 08/20/09 21:52 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 2.2 | 5 | 08/18/09 14:15 | 08/20/09 21:52 | EPA 3050B | 1,6010B | MG |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-03 Date Collected: 08/12/09 10:30

Client ID: SB-14 (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 93%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 7.8 | | mg/kg | 2.0 | 5 | 08/18/09 14:15 | 08/20/09 22:00 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 75 | | mg/kg | 2.0 | 5 | 08/18/09 14:15 | 08/20/09 22:00 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | ND | | mg/kg | 1.0 | 5 | 08/18/09 14:15 | 08/20/09 22:00 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | ND | | mg/kg | 2.0 | 5 | 08/18/09 14:15 | 08/20/09 22:00 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 14 | | mg/kg | 2.0 | 5 | 08/18/09 14:15 | 08/20/09 22:00 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 290 | | mg/kg | 10 | 5 | 08/18/09 14:15 | 08/20/09 22:00 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | 0.22 | | mg/kg | 0.09 | 1 | 08/17/09 14:05 | 08/18/09 12:34 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 4.0 | 5 | 08/18/09 14:15 | 08/20/09 22:00 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 2.0 | 5 | 08/18/09 14:15 | 08/20/09 22:00 | EPA 3050B | 1,6010B | MG |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-05 Date Collected: 08/12/09 11:30

Client ID: SB-15 (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 85%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 9.3 | | mg/kg | 2.1 | 5 | 08/18/09 14:15 | 08/20/09 22:08 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 60 | | mg/kg | 2.1 | 5 | 08/18/09 14:15 | 08/20/09 22:08 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | ND | | mg/kg | 1.0 | 5 | 08/18/09 14:15 | 08/20/09 22:08 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | ND | | mg/kg | 2.1 | 5 | 08/18/09 14:15 | 08/20/09 22:08 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 21 | | mg/kg | 2.1 | 5 | 08/18/09 14:15 | 08/20/09 22:08 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 290 | | mg/kg | 10 | 5 | 08/18/09 14:15 | 08/20/09 22:08 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | 0.16 | | mg/kg | 0.10 | 1 | 08/17/09 14:05 | 08/18/09 12:40 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 4.1 | 5 | 08/18/09 14:15 | 08/20/09 22:08 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 2.1 | 5 | 08/18/09 14:15 | 08/20/09 22:08 | EPA 3050B | 1,6010B | MG |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-07 Date Collected: 08/14/09 12:30

Client ID: SB-18A (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 95%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 4.7 | | mg/kg | 2.0 | 5 | 08/18/09 14:15 | 08/20/09 22:15 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 28 | | mg/kg | 2.0 | 5 | 08/18/09 14:15 | 08/20/09 22:15 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | ND | | mg/kg | 1.0 | 5 | 08/18/09 14:15 | 08/20/09 22:15 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | ND | | mg/kg | 2.0 | 5 | 08/18/09 14:15 | 08/20/09 22:15 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 10 | | mg/kg | 2.0 | 5 | 08/18/09 14:15 | 08/20/09 22:15 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 50 | | mg/kg | 10 | 5 | 08/18/09 14:15 | 08/20/09 22:15 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | 0.09 | | mg/kg | 0.09 | 1 | 08/17/09 14:05 | 08/18/09 12:42 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 4.0 | 5 | 08/18/09 14:15 | 08/20/09 22:15 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 2.0 | 5 | 08/18/09 14:15 | 08/20/09 22:15 | EPA 3050B | 1,6010B | MG |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-09 Date Collected: 08/14/09 11:30

Client ID: SB-18 (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 94%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 8.9 | | mg/kg | 2.0 | 5 | 08/18/09 14:15 | 08/20/09 22:23 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 43 | | mg/kg | 2.0 | 5 | 08/18/09 14:15 | 08/20/09 22:23 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | ND | | mg/kg | 0.99 | 5 | 08/18/09 14:15 | 08/20/09 22:23 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | ND | | mg/kg | 2.0 | 5 | 08/18/09 14:15 | 08/20/09 22:23 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 14 | | mg/kg | 2.0 | 5 | 08/18/09 14:15 | 08/20/09 22:23 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 89 | | mg/kg | 9.9 | 5 | 08/18/09 14:15 | 08/20/09 22:23 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | ND | | mg/kg | 0.09 | 1 | 08/17/09 14:05 | 08/18/09 12:43 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 4.0 | 5 | 08/18/09 14:15 | 08/20/09 22:23 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 2.0 | 5 | 08/18/09 14:15 | 08/20/09 22:23 | EPA 3050B | 1,6010B | MG |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-11 Date Collected: 08/14/09 14:00

Client ID: SB-19 (0'-4') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 10 | | mg/kg | 2.1 | 5 | 08/18/09 14:15 | 08/20/09 22:31 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 91 | | mg/kg | 2.1 | 5 | 08/18/09 14:15 | 08/20/09 22:31 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | ND | | mg/kg | 1.0 | 5 | 08/18/09 14:15 | 08/20/09 22:31 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | ND | | mg/kg | 2.1 | 5 | 08/18/09 14:15 | 08/20/09 22:31 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 10 | | mg/kg | 2.1 | 5 | 08/18/09 14:15 | 08/20/09 22:31 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 180 | | mg/kg | 10 | 5 | 08/18/09 14:15 | 08/20/09 22:31 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | 0.28 | | mg/kg | 0.09 | 1 | 08/17/09 14:05 | 08/18/09 12:45 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 4.2 | 5 | 08/18/09 14:15 | 08/20/09 22:31 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 2.1 | 5 | 08/18/09 14:15 | 08/20/09 22:31 | EPA 3050B | 1,6010B | MG |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-13 Date Collected: 08/14/09 10:30

Client ID: SB-20 (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 95%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 8.1 | | mg/kg | 0.41 | 1 | 08/18/09 14:15 | 08/19/09 12:42 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 37 | | mg/kg | 0.41 | 1 | 08/18/09 14:15 | 08/19/09 12:42 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | 0.48 | | mg/kg | 0.20 | 1 | 08/18/09 14:15 | 08/19/09 12:42 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | 1.6 | | mg/kg | 0.41 | 1 | 08/18/09 14:15 | 08/19/09 12:42 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 16 | | mg/kg | 0.41 | 1 | 08/18/09 14:15 | 08/19/09 12:42 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 96 | | mg/kg | 2.0 | 1 | 08/18/09 14:15 | 08/19/09 12:42 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | 0.22 | | mg/kg | 0.08 | 1 | 08/18/09 22:30 | 08/19/09 11:24 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 0.82 | 1 | 08/18/09 14:15 | 08/19/09 12:42 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 0.41 | 1 | 08/18/09 14:15 | 08/19/09 12:42 | EPA 3050B | 1,6010B | MG |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-15 Date Collected: 08/12/09 15:00

Client ID: SB-21 (0'-2') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 18 | | mg/kg | 2.1 | 5 | 08/18/09 14:15 | 08/19/09 12:48 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 120 | | mg/kg | 2.1 | 5 | 08/18/09 14:15 | 08/19/09 12:48 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | ND | | mg/kg | 1.1 | 5 | 08/18/09 14:15 | 08/19/09 12:48 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | 4.9 | | mg/kg | 2.1 | 5 | 08/18/09 14:15 | 08/19/09 12:48 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 440 | | mg/kg | 2.1 | 5 | 08/18/09 14:15 | 08/19/09 12:48 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 8100 | | mg/kg | 11 | 5 | 08/18/09 14:15 | 08/19/09 12:48 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | 1.0 | | mg/kg | 0.09 | 1 | 08/18/09 22:30 | 08/19/09 11:26 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 4.2 | 5 | 08/18/09 14:15 | 08/19/09 12:48 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 2.1 | 5 | 08/18/09 14:15 | 08/19/09 12:48 | EPA 3050B | 1,6010B | MG |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-17 Date Collected: 08/14/09 11:00

Client ID: SB-22 (0'-3') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 8.5 | | mg/kg | 0.42 | 1 | 08/18/09 14:15 | 08/19/09 10:17 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 72 | | mg/kg | 0.42 | 1 | 08/18/09 14:15 | 08/19/09 10:17 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | 0.61 | | mg/kg | 0.21 | 1 | 08/18/09 14:15 | 08/19/09 10:17 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | 2.2 | | mg/kg | 0.42 | 1 | 08/18/09 14:15 | 08/19/09 10:17 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 31 | | mg/kg | 0.42 | 1 | 08/18/09 14:15 | 08/19/09 10:17 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 190 | | mg/kg | 2.1 | 1 | 08/18/09 14:15 | 08/19/09 10:17 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | 0.35 | | mg/kg | 0.08 | 1 | 08/18/09 22:30 | 08/19/09 11:27 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 0.84 | 1 | 08/18/09 14:15 | 08/19/09 10:17 | EPA 3050B | 1,6010B | MG |
| Silver, Total | 0.44 | | mg/kg | 0.42 | 1 | 08/18/09 14:15 | 08/19/09 10:17 | EPA 3050B | 1,6010B | MG |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-19 Date Collected: 08/12/09 09:00

Client ID: SB-25 (0'-3') Date Received: 08/14/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 87%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 14 | | mg/kg | 2.2 | 5 | 08/18/09 14:15 | 08/20/09 22:39 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 170 | | mg/kg | 2.2 | 5 | 08/18/09 14:15 | 08/20/09 22:39 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | ND | | mg/kg | 1.1 | 5 | 08/18/09 14:15 | 08/20/09 22:39 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | 5.8 | | mg/kg | 2.2 | 5 | 08/18/09 14:15 | 08/20/09 22:39 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 180 | | mg/kg | 2.2 | 5 | 08/18/09 14:15 | 08/20/09 22:39 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 480 | | mg/kg | 11 | 5 | 08/18/09 14:15 | 08/20/09 22:39 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | 0.41 | | mg/kg | 0.08 | 1 | 08/18/09 22:30 | 08/19/09 11:29 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 4.5 | 5 | 08/18/09 14:15 | 08/20/09 22:39 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 2.2 | 5 | 08/18/09 14:15 | 08/20/09 22:39 | EPA 3050B | 1,6010B | MG |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

# Method Blank Analysis
# Batch Quality Control

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 01,03,05,07,09,11 Batch: WG375795-1 | | | | | | | | | |
| Mercury, Total | ND | | mg/kg | 0.08 | 1 | 08/17/09 14:05 | 08/18/09 11:56 | 1,7471A | EZ |

**Prep Information**

Digestion Method: EPA 7471A

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 13,15,17 Batch: WG375968-1 | | | | | | | | | |
| Arsenic, Total | ND | | mg/kg | 0.40 | 1 | 08/18/09 14:15 | 08/19/09 09:54 | 1,6010B | MG |
| Barium, Total | ND | | mg/kg | 0.40 | 1 | 08/18/09 14:15 | 08/19/09 09:54 | 1,6010B | MG |
| Beryllium, Total | ND | | mg/kg | 0.20 | 1 | 08/18/09 14:15 | 08/19/09 09:54 | 1,6010B | MG |
| Cadmium, Total | ND | | mg/kg | 0.40 | 1 | 08/18/09 14:15 | 08/19/09 09:54 | 1,6010B | MG |
| Chromium, Total | ND | | mg/kg | 0.40 | 1 | 08/18/09 14:15 | 08/19/09 09:54 | 1,6010B | MG |
| Lead, Total | ND | | mg/kg | 2.0 | 1 | 08/18/09 14:15 | 08/19/09 09:54 | 1,6010B | MG |
| Selenium, Total | ND | | mg/kg | 0.80 | 1 | 08/18/09 14:15 | 08/19/09 09:54 | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 0.40 | 1 | 08/18/09 14:15 | 08/19/09 09:54 | 1,6010B | MG |

**Prep Information**

Digestion Method: EPA 3050B

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 01,03,05,07,09,11,19 Batch: WG375971-1 | | | | | | | | | |
| Arsenic, Total | ND | | mg/kg | 0.40 | 1 | 08/18/09 14:15 | 08/20/09 11:24 | 1,6010B | MG |
| Barium, Total | ND | | mg/kg | 0.40 | 1 | 08/18/09 14:15 | 08/20/09 11:24 | 1,6010B | MG |
| Beryllium, Total | ND | | mg/kg | 0.20 | 1 | 08/18/09 14:15 | 08/20/09 11:24 | 1,6010B | MG |
| Cadmium, Total | ND | | mg/kg | 0.40 | 1 | 08/18/09 14:15 | 08/20/09 11:24 | 1,6010B | MG |
| Chromium, Total | ND | | mg/kg | 0.40 | 1 | 08/18/09 14:15 | 08/20/09 11:24 | 1,6010B | MG |
| Lead, Total | ND | | mg/kg | 2.0 | 1 | 08/18/09 14:15 | 08/20/09 11:24 | 1,6010B | MG |
| Selenium, Total | ND | | mg/kg | 0.80 | 1 | 08/18/09 14:15 | 08/20/09 11:24 | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 0.40 | 1 | 08/18/09 14:15 | 08/20/09 11:24 | 1,6010B | MG |

**Project Name:** 1 INDIA ST. **Lab Number:** L0911346

**Project Number:** Not Specified **Report Date:** 08/24/09

# Method Blank Analysis
# Batch Quality Control

**Prep Information**

Digestion Method: EPA 3050B

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 13,15,17,19 Batch: WG376021-1 | | | | | | | | | |
| Mercury, Total | ND | | mg/kg | 0.08 | 1 | 08/18/09 22:30 | 08/19/09 11:20 | 1,7471A | EZ |

**Prep Information**

Digestion Method: EPA 7471A

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| **Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11 Batch: WG375795-2** | | | | | |
| Mercury, Total | 101 | - | 80-120 | - | |
| **Total Metals - Westborough Lab Associated sample(s): 13,15,17 Batch: WG375968-2** | | | | | |
| Arsenic, Total | 99 | - | 75-125 | - | |
| Barium, Total | 100 | - | 75-125 | - | |
| Beryllium, Total | 103 | - | 75-125 | - | |
| Cadmium, Total | 106 | - | 75-125 | - | |
| Chromium, Total | 103 | - | 75-125 | - | |
| Lead, Total | 101 | - | 75-125 | - | |
| Selenium, Total | 94 | - | 75-125 | - | |
| Silver, Total | 99 | - | 75-125 | - | |
| **Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11,19 Batch: WG375971-2** | | | | | |
| Arsenic, Total | 102 | - | 75-125 | - | |
| Barium, Total | 103 | - | 75-125 | - | |
| Beryllium, Total | 104 | - | 75-125 | - | |
| Cadmium, Total | 107 | - | 75-125 | - | |
| Chromium, Total | 106 | - | 75-125 | - | |
| Lead, Total | 102 | - | 75-125 | - | |
| Selenium, Total | 98 | - | 75-125 | - | |
| Silver, Total | 104 | - | 75-125 | - | |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.

**Project Number:** Not Specified

**Lab Number:** L0911346

**Report Date:** 08/24/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 13,15,17,19 Batch: WG376021-2 | | | | | |
| Mercury, Total | 112 | - | 80-120 | - | |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11 QC Batch ID: WG375795-4 QC Sample: L0911332-03 Client ID: MS Sample | | | | | | | | | |
| Mercury, Total | ND | 0.168 | 0.18 | 107 | - | - | 70-130 | - | 35 |
| Total Metals - Westborough Lab Associated sample(s): 13,15,17 QC Batch ID: WG375968-4 QC Sample: L0911346-17 Client ID: SB-22 (0'-3') | | | | | | | | | |
| Arsenic, Total | 8.5 | 5.33 | 14 | 103 | - | - | 75-125 | - | 35 |
| Barium, Total | 72 | 88.9 | 150 | 88 | - | - | 75-125 | - | 35 |
| Beryllium, Total | 0.61 | 2.22 | 2.8 | 98 | - | - | 75-125 | - | 35 |
| Cadmium, Total | 2.2 | 2.27 | 4.6 | 106 | - | - | 75-125 | - | 35 |
| Chromium, Total | 31 | 8.89 | 43 | **135** | - | - | 75-125 | - | 35 |
| Lead, Total | 190 | 22.7 | 220 | **132** | - | - | 75-125 | - | 35 |
| Selenium, Total | ND | 5.33 | 5.1 | 96 | - | - | 75-125 | - | 35 |
| Silver, Total | 0.44 | 13.3 | 13 | 94 | - | - | 75-125 | - | 35 |
| Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11,19 QC Batch ID: WG375971-4 QC Sample: L0911332-16 Client ID: MS Sample | | | | | | | | | |
| Arsenic, Total | 3.6 | 4.9 | 8.5 | 100 | - | - | 75-125 | - | 35 |
| Barium, Total | 16 | 81.6 | 97 | 99 | - | - | 75-125 | - | 35 |
| Beryllium, Total | 0.52 | 2.04 | 2.7 | 107 | - | - | 75-125 | - | 35 |
| Cadmium, Total | ND | 2.08 | 2.4 | 115 | - | - | 75-125 | - | 35 |
| Chromium, Total | 8.7 | 8.16 | 16 | 89 | - | - | 75-125 | - | 35 |
| Lead, Total | 5.4 | 20.8 | 27 | 104 | - | - | 75-125 | - | 35 |
| Selenium, Total | ND | 4.9 | 4.6 | 94 | - | - | 75-125 | - | 35 |
| Silver, Total | ND | 12.2 | 13 | 106 | - | - | 75-125 | - | 35 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 13,15,17,19 QC Batch ID: WG376021-4 QC Sample: L0911352-02 Client ID: MS Sample | | | | | | | | | |
| Mercury, Total | ND | 0.236 | 0.37 | **157** | - | - | 70-130 | - | 35 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11 QC Batch ID: WG375795-3 QC Sample: L0911332-03 Client ID: DUP Sample | | | | | |
| Mercury, Total | ND | ND | mg/kg | NC | 35 |
| Total Metals - Westborough Lab Associated sample(s): 13,15,17 QC Batch ID: WG375968-3 QC Sample: L0911346-17 Client ID: SB-22 (0'-3') | | | | | |
| Arsenic, Total | 8.5 | 8.9 | mg/kg | 5 | 35 |
| Barium, Total | 72 | 67 | mg/kg | 7 | 35 |
| Beryllium, Total | 0.61 | 0.54 | mg/kg | 12 | 35 |
| Cadmium, Total | 2.2 | 2.3 | mg/kg | 4 | 35 |
| Chromium, Total | 31 | 32 | mg/kg | 3 | 35 |
| Lead, Total | 190 | 190 | mg/kg | 0 | 35 |
| Selenium, Total | ND | ND | mg/kg | NC | 35 |
| Silver, Total | 0.44 | 0.49 | mg/kg | 11 | 35 |
| Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11,19 QC Batch ID: WG375971-3 QC Sample: L0911332-16 Client ID: DUP Sample | | | | | |
| Arsenic, Total | 3.6 | 3.7 | mg/kg | 3 | 35 |
| Beryllium, Total | 0.52 | 0.52 | mg/kg | 0 | 35 |
| Cadmium, Total | ND | ND | mg/kg | NC | 35 |
| Chromium, Total | 8.7 | 8.4 | mg/kg | 4 | 35 |
| Lead, Total | 5.4 | 5.5 | mg/kg | 2 | 35 |
| Selenium, Total | ND | ND | mg/kg | NC | 35 |
| Silver, Total | ND | ND | mg/kg | NC | 35 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 13,15,17,19 QC Batch ID: WG376021-3 QC Sample: L0911352-02 Client ID: DUP Sample | | | | | |
| Mercury, Total | ND | 0.18 | mg/kg | NC | 35 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-01
Client ID: SB-13 (0'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/12/09 09:30
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-02
Client ID: SB-13 (6'-8')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/12/09 09:30
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-03
Client ID: SB-14 (0'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/12/09 10:30
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-04
Client ID: SB-14 (4'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/12/09 10:30
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-05
Client ID: SB-15 (0'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/12/09 11:30
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-06
Client ID: SB-15 (2'-4.5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/12/09 11:30
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-07
Client ID: SB-18A (0'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/14/09 12:30
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-08
Client ID: SB-18A (2'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/14/09 12:30
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-09
Client ID: SB-18 (0'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/14/09 11:30
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-10
Client ID: SB-18 (4'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/14/09 11:30
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-11
Client ID: SB-19 (0'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/14/09 14:00
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-12
Client ID: SB-19 (8'-10')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/14/09 14:00
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-13
Client ID: SB-20 (0'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/14/09 10:30
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-14
Client ID: SB-20 (8'-10')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/14/09 10:30
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-15
Client ID: SB-21 (0'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/12/09 15:00
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-16
Client ID: SB-21 (2'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/12/09 15:00
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 63 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-17
Client ID: SB-22 (0'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/14/09 11:00
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-18
Client ID: SB-22 (3'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/14/09 11:00
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-19
Client ID: SB-25 (0'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/12/09 09:00
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-20
Client ID: SB-25 (7'-8')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/12/09 09:00
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 08/19/09 10:35 | 30,2540G | PT |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-21
Client ID: SB-17A (3'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/14/09 13:30
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 08/20/09 12:41 | 30,2540G | SD |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## SAMPLE RESULTS

Lab ID: L0911346-22
Client ID: SB-17 (3'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/14/09 13:00
Date Received: 08/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 08/20/09 12:41 | 30,2540G | SD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG376094-1 QC Sample: L0911346-07 Client ID: SB-18A (0'-2') | | | | | |
| Solids, Total | 95 | 95 | % | 0 | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 21-22 QC Batch ID: WG376309-1 QC Sample: L0911346-21 Client ID: SB-17A (3'-5') | | | | | |
| Solids, Total | 86 | 86 | % | 0 | 20 |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |

### Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0911346-01A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | 8270TCL(14),BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PCB-8082(14),TS(7),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180) |
| L0911346-02A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),TPH-DRO-D(14) |
| L0911346-03A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | 8270TCL(14),BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PCB-8082(14),TS(7),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180) |
| L0911346-04A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),TPH-DRO-D(14) |
| L0911346-05A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | 8270TCL(14),BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PCB-8082(14),TS(7),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180) |
| L0911346-06A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),TPH-DRO-D(14) |
| L0911346-07A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | 8270TCL(14),BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PCB-8082(14),TS(7),PB-TI(180),SE-TI(180),PEST-8081(14),HG-T(28),CD-TI(180) |
| L0911346-08A | Vial MeOH preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-08B | Vial water preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-08C | Vial water preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-08D | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),TPH-DRO-D(14) |
| L0911346-09A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | 8270TCL(14),BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PCB-8082(14),TS(7),PB-TI(180),SE-TI(180),PEST-8081(14),HG-T(28),CD-TI(180) |
| L0911346-10A | Vial MeOH preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-10B | Vial water preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-10C | Vial water preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-10D | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),TPH-DRO-D(14) |
| L0911346-11A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | 8270TCL(14),BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PCB-8082(14),TS(7),PB-TI(180),SE-TI(180),PEST-8081(14),HG-T(28),CD-TI(180) |

*Hold days indicated by values in parentheses

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0911346-12A | Vial MeOH preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-12B | Vial water preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-12C | Vial water preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-12D | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),TPH-DRO-D(14) |
| L0911346-13A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | 8270TCL(14),BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PCB-8082(14),TS(7),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180) |
| L0911346-13B | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | PEST-8081(14) |
| L0911346-14A | Vial MeOH preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-14B | Vial water preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-14C | Vial water preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-14D | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),TPH-DRO-D(14) |
| L0911346-15A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | 8270TCL(14),BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PCB-8082(14),TS(7),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180) |
| L0911346-15B | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | PEST-8081(14) |
| L0911346-16A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),TPH-DRO-D(14) |
| L0911346-16D | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | - |
| L0911346-17A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | 8270TCL(14),BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PCB-8082(14),TS(7),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180) |
| L0911346-17B | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | PEST-8081(14) |
| L0911346-18A | Vial MeOH preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-18B | Vial water preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-18C | Vial water preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-18D | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),TPH-DRO-D(14) |
| L0911346-19A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | 8270TCL(14),BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PCB-8082(14),TS(7),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180) |
| L0911346-19B | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | PEST-8081(14) |
| L0911346-20A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),TPH-DRO-D(14) |
| L0911346-21A | Vial MeOH preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-21B | Vial water preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-21C | Vial water preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-22A | Vial MeOH preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |
| L0911346-22B | Vial water preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |

*Hold days indicated by values in parentheses

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0911346
**Report Date:** 08/24/09

## Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0911346-22C | Vial water preserved | A | N/A | 3 | Y | Absent | 8260HLW(14) |

## Container Comments

L0911346-19A

*Hold days indicated by values in parentheses

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0911346 |
| **Project Number:** | Not Specified | **Report Date:** | 08/24/09 |

## GLOSSARY

***Acronyms***

| | |
|---|---|
| EPA | · Environmental Protection Agency. |
| LCS | · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | · Laboratory Control Sample Duplicate: Refer to LCS. |
| MS | · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | · Matrix Spike Sample Duplicate: Refer to MS. |
| NA | · Not Applicable. |
| NC | · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| ND | · Not detected at the reported detection limit for the sample. |
| NI | · Not Ignitable. |
| RDL | · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.) |
| **R** | - Analytical results are from sample re-analysis. |
| **RE** | - Analytical results are from sample re-extraction. |
| **J** | - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs). |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0911346 |
| **Project Number:** | Not Specified | **Report Date:** | 08/24/09 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised July 7, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.2/.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500Cl-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, EPA 354.1, SM4500-NO2-B, EPA 365.2, SM4500P-E, EPA 160.3, EPA 160.1, SM2540C, EPA 160.2, SM2540B, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 625, 608, 8081A, 8082, 8151A, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Utah Department of Health** Certificate/Lab ID: AAMA. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: Chloride EPA 300.0)

# CHAIN OF CUSTODY

PAGE 1 OF 3

Date Rec'd in Lab: 08/14/09

ALPHA Job #: L0911346

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: Woodard & Curran
Address: 95 Cedar St Suite 100
Providence, RI 02903
Phone: 401 273-1007
Fax: 401 273 5087
Email: grose@woodardcurran.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St
Project Location: Providence, RI
Project #:
Project Manager: Peter Nangeroni/ Shannon Daigle
ALPHA Quote #:

**Turn-Around Time**

☑ Standard 5 day ☐ RUSH (only confirmed if pre-approved!)
Date Due: 08/21 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RIDEM Criteria Residential Direct Exposure

Other Project Specific Requirements/Comments/Detection Limits:

**SAMPLE HANDLING**
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | SVOCs | PCBs | RCRA8 & Be | TPH | VOCs (High) | VOCs (Low) (Please freeze) | ~~SPLP RCRA8~~ or | Pests | | | | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11346 1 | SB-13(0'-2') | 8/12/09 | 930 | S | GR | X | X | X | | | | | | | | | | 1 |
| 2 | SB-13(6'-8') | ↓ | ↓ | ↓ | ↓ | | | | X | ~~X~~ | ~~X~~ | | | | | | | 1 |
| 3 | SB-14(0'-2') | ↓ | 1030 | ↓ | ↓ | X | X | X | | | | | | | | | | 1 |
| 4 | SB-14(4'-5') | ↓ | ↓ | ↓ | ↓ | | | | X | ~~X~~ | ~~X~~ | | | | | | | 1 |
| 5 | SB-15(0'-2') | ↓ | 1130 | ↓ | ↓ | X | X | X | | | | | | | | | | 1 |
| 6 | SB-15(2'-4.5') | ↓ | ↓ | ↓ | ↓ | | | | X | ~~X~~ | ~~X~~ | | | | | | | 1 |
| 7 | SB-18A(0'-2') | 8/14/09 | 1230 | ↓ | ↓ | X | X | X | | | | | X | | | | ~~NO TVOC PID Hits~~ | 1 |
| 8 | SB-18A(2'-5') | ↓ | ↓ | ↓ | ↓ | | | | X | X | X | | | | | | No TVOC PID Hits | 4 |
| 9 | SB-18(0'-2') | ↓ | 1130 | ↓ | ↓ | X | X | X | | | | | X | | | | ~~No TVOC PID Hits~~ | 1 |
| 10 | SB-18(4'-5') | ↓ | ↓ | ↓ | ↓ | | | | X | X | X | | | | | | No TVOC PID Hits | 4 |
| | | | | | Container Type | A | → | → | A | V | V | | A | | | | | |
| | | | | | Preservative | A | → | → | → | F | O | | A | | | | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 8/14/09 1600 | Paul Gilbert | 8/14/09 16:00 |
| Paul Gilbert | 8/14/09 1715 | [signature] | 8/14/09 1715 |
| [signature] | 8/14/09 18:24 | [signature] | 8/14/09 18:24 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 2 OF 3

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 08/14/09

ALPHA Job #: L0911346

**Client Information**

Client:
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 8/21 Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: SVOCs | PCBs | RCRA 8 & Be | TPH | VOCs (High) | VOCs (Low) | Pesticides | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | SB-19(0'-4') | 8/14/09 | 1400 | S | GR | X | X | X | | | | X | | 1 |
| 12 | SB-19(8'-10') | | | | | | | | X | X | X | | NO TVOC-PID Hits | 4 |
| 13 | SB-20(0'-2') | | 1030 | | | X | X | X | | | | X | | 2 |
| 14 | SB-20(8'-10') | | | | | | | | X | X | X | | NO TVOC-PID Hits | 4 |
| 15 | SB-21(0'-2') | 8/12/09 | 1500 | | | X | X | X | | | | X | | 2 |
| 16 | SB-21(3'-5') | | | | | | | | X | X | X | | NO TVOC PID Hits | 4 |
| 17 | SB-22(0'-3') | 8/14/09 | 1100 | | | X | X | X | | | | X | | 2 |
| 18 | SB-22(3'-5') | | | | | | | | X | X | X | | NO TVOC PID Hits | 4 |
| 19 | SB-25(0'-3') | 8/12/09 | 9:00 | | | X | X | X | | | | X | | 2 |
| 20 | SB-25(7'-8') | | | | | | | | X | X | X | | NO TVOC PID Hits | 4 |

Container Type: A → N V A
Preservative: A → F O A

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Paul Gillett | 8/14/09 1600 | Paul Gillett | 8/14/09 12:00 |
| G. Cuellar | 8/14/09 1715 | G. Cuellar | 8/14/09 1715 |
| | 8/14/09 | | |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 3 OF 3

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 08/14/09

ALPHA Job #: L0911346

**Client Information**

Client:
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL
☐ ADEx ☐ Acd'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: VOCs (High) Please Freeze; VOCs (Low); %Solids will Receive Monday

**SAMPLE HANDLING**
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | VOCs (High) | VOCs (Low) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|
| 21 | SB-17A (3'-5') | 8/14/09 | 1330 | S | GR | X | X | | 3 |
| ~~21~~ | ~~SB-16 (3'-5')~~ | | ~~1200~~ | | | ~~X~~ | ~~X~~ | | |
| 22 | SB-17 (3'-5') | 8/14/09 | 1300 | S | GR | X | X | | 3 |

Container Type: V V
Preservative: F O

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Paul Gilbert | 8/14/09 1600 | Paul Gilbert | 8/14/09 16:20 |
| | 8/14/09 1715 | | 8/14/09 1715 |
| | 8/14/09 | | |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L0911480 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Project Name: | INDIA ST. |
| Project Number: | 222610.01 |
| Report Date: | 08/26/09 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0911480-01 | SB-16 (0'-3') | PROVIDENCE, RI | 08/12/09 12:00 |
| L0911480-02 | SB-16 (3'-6') | PROVIDENCE, RI | 08/12/09 12:00 |
| L0911480-03 | SB-16A (0'-2') | PROVIDENCE, RI | 08/12/09 13:00 |
| L0911480-04 | SB-16A (2'-5') | PROVIDENCE, RI | 08/12/09 13:00 |
| L0911480-05 | SB-17 (0'-3') | PROVIDENCE, RI | 08/14/09 13:00 |
| L0911480-06 | SB-17 (3'-5') | PROVIDENCE, RI | 08/14/09 13:00 |
| L0911480-07 | SB-17A (0'-3') | PROVIDENCE, RI | 08/14/09 13:30 |
| L0911480-08 | SB-17A (3'-5') | PROVIDENCE, RI | 08/14/09 13:30 |
| L0911480-09 | SB-23 (0'-2') | PROVIDENCE, RI | 08/12/09 14:30 |
| L0911480-10 | SB-23 (2'-4') | PROVIDENCE, RI | 08/12/09 14:30 |
| L0911480-11 | SB-23 (4'-6') | PROVIDENCE, RI | 08/12/09 14:30 |
| L0911480-12 | SB-24 (0'-3') | PROVIDENCE, RI | 08/12/09 13:30 |
| L0911480-13 | SB-24 (3'-6') | PROVIDENCE, RI | 08/12/09 13:30 |

| | | | |
|---|---|---|---|
| **Project Name:** | INDIA ST. | **Lab Number:** | L0911480 |
| **Project Number:** | 222610.01 | **Report Date:** | 08/26/09 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

Sample Receipt

A project number was supplied by the client.

Semivolatile Organics

L0911480-02, -11 and -13 have elevated detection limits due to the dilutions required by the sample matrices.

The WG376229-2/-3 LCS/LCSD recoveries, associated with L0911480-02, -04, -06, -08, -11 and -13, were above the acceptance criteria for 2,4-Dinitrotoluene (104%/109%); however, the associated samples were non-detect for this target compound. The results of the original analysis are reported.

| | | | |
|---|---|---|---|
| **Project Name:** | INDIA ST. | **Lab Number:** | L0911480 |
| **Project Number:** | 222610.01 | **Report Date:** | 08/26/09 |

**Case Narrative (continued)**

Petroleum Hydrocarbon Quantitation

The surrogate recovery for L0911480-11 was below the acceptance criteria for o-Terphenyl (18%); however, re-extraction achieved similar results (27%). The results of both extractions are reported.

L0911480-11 RE has an elevated detection limit due to the dilution required by the elevated concentration of target compound in the sample.

The surrogate recovery for the WG376208-3 Laboratory Duplicate, associated with L0911480-02, is below the acceptance criteria for o-Terphenyl (16%). The associated sample has an acceptable surrogate recovery, and the duplicate RPD is within method criteria; therefore, no further action was taken.

PCB

The surrogate recovery for L0911480-11 is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (23%) , but within the overall method allowances.

Pesticides

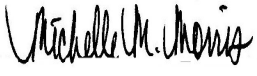
The surrogate recoveries for L0911480-04 were below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (18%/11%) and Decachlorobiphenyl (16%/17%); however, re-extraction achieved similar results (2,4,5,6-Tetrachloro-m-xylene at 23%/15% and Decachlorobiphenyl at 27%). The results of both extractions are reported.

L0911480-11 and -13 have elevated detection limits due to the dilutions required by the sample matrices.

Metals

L0911480-11 and -13 have elevated detection limits for all analytes, except Mercury, due to the dilutions required by non-target analyte spectral interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: 

Title: Technical Director/Representative Date: 08/26/09

# ORGANICS

# SEMIVOLATILES

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-02 | Date Collected: | 08/12/09 12:00 |
| Client ID: | SB-16 (3'-6') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270C | Extraction Date: | 08/20/09 04:20 |
| Analytical Date: | 08/24/09 15:33 | | |
| Analyst: | PS | | |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Acenaphthene | ND | | ug/kg | 770 | 2 |
| Benzidine | ND | | ug/kg | 7700 | 2 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 770 | 2 |
| Hexachlorobenzene | ND | | ug/kg | 770 | 2 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 770 | 2 |
| 2-Chloronaphthalene | ND | | ug/kg | 920 | 2 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 770 | 2 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 770 | 2 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 770 | 2 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 1500 | 2 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 770 | 2 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 770 | 2 |
| Azobenzene | ND | | ug/kg | 770 | 2 |
| Fluoranthene | 8300 | | ug/kg | 770 | 2 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 770 | 2 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 770 | 2 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 770 | 2 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 770 | 2 |
| Hexachlorobutadiene | ND | | ug/kg | 1500 | 2 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 1500 | 2 |
| Hexachloroethane | ND | | ug/kg | 770 | 2 |
| Isophorone | ND | | ug/kg | 770 | 2 |
| Naphthalene | ND | | ug/kg | 770 | 2 |
| Nitrobenzene | ND | | ug/kg | 770 | 2 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 2300 | 2 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 1500 | 2 |
| Butyl benzyl phthalate | ND | | ug/kg | 770 | 2 |
| Di-n-butylphthalate | ND | | ug/kg | 770 | 2 |
| Di-n-octylphthalate | ND | | ug/kg | 770 | 2 |
| Diethyl phthalate | ND | | ug/kg | 770 | 2 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-02 Date Collected: 08/12/09 12:00

Client ID: SB-16 (3'-6') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 770 | 2 |
| Benzo(a)anthracene | 3400 | | ug/kg | 770 | 2 |
| Benzo(a)pyrene | 3400 | | ug/kg | 770 | 2 |
| Benzo(b)fluoranthene | 3200 | | ug/kg | 770 | 2 |
| Benzo(k)fluoranthene | 2900 | | ug/kg | 770 | 2 |
| Chrysene | 3300 | | ug/kg | 770 | 2 |
| Acenaphthylene | ND | | ug/kg | 770 | 2 |
| Anthracene | 880 | | ug/kg | 770 | 2 |
| Benzo(ghi)perylene | 2300 | | ug/kg | 770 | 2 |
| Fluorene | ND | | ug/kg | 770 | 2 |
| Phenanthrene | 5400 | | ug/kg | 770 | 2 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 770 | 2 |
| Indeno(1,2,3-cd)Pyrene | 2000 | | ug/kg | 770 | 2 |
| Pyrene | 6800 | | ug/kg | 770 | 2 |
| Aniline | ND | | ug/kg | 1500 | 2 |
| 4-Chloroaniline | ND | | ug/kg | 770 | 2 |
| 1-Methylnaphthalene | ND | | ug/kg | 770 | 2 |
| 2-Nitroaniline | ND | | ug/kg | 770 | 2 |
| 3-Nitroaniline | ND | | ug/kg | 770 | 2 |
| 4-Nitroaniline | ND | | ug/kg | 1100 | 2 |
| Dibenzofuran | ND | | ug/kg | 770 | 2 |
| 2-Methylnaphthalene | ND | | ug/kg | 770 | 2 |
| n-Nitrosodimethylamine | ND | | ug/kg | 7700 | 2 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 770 | 2 |
| P-Chloro-M-Cresol | ND | | ug/kg | 770 | 2 |
| 2-Chlorophenol | ND | | ug/kg | 920 | 2 |
| 2,4-Dichlorophenol | ND | | ug/kg | 1500 | 2 |
| 2,4-Dimethylphenol | ND | | ug/kg | 770 | 2 |
| 2-Nitrophenol | ND | | ug/kg | 3100 | 2 |
| 4-Nitrophenol | ND | | ug/kg | 1500 | 2 |
| 2,4-Dinitrophenol | ND | | ug/kg | 3100 | 2 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 3100 | 2 |
| Pentachlorophenol | ND | | ug/kg | 3100 | 2 |
| Phenol | ND | | ug/kg | 1100 | 2 |
| 2-Methylphenol | ND | | ug/kg | 920 | 2 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 920 | 2 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 770 | 2 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-02 Date Collected: 08/12/09 12:00

Client ID: SB-16 (3'-6') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Benzoic Acid | ND | | ug/kg | 7700 | 2 |
| Benzyl Alcohol | ND | | ug/kg | 1500 | 2 |
| Carbazole | ND | | ug/kg | 770 | 2 |
| Pyridine | ND | | ug/kg | 7700 | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 63 | | 25-120 |
| Phenol-d6 | 68 | | 10-120 |
| Nitrobenzene-d5 | 65 | | 23-120 |
| 2-Fluorobiphenyl | 69 | | 30-120 |
| 2,4,6-Tribromophenol | 86 | | 0-136 |
| 4-Terphenyl-d14 | 72 | | 18-120 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-04 | Date Collected: | 08/12/09 13:00 |
| Client ID: | SB-16A (2'-5') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270C | Extraction Date: | 08/20/09 04:20 |
| Analytical Date: | 08/24/09 15:57 | | |
| Analyst: | PS | | |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Acenaphthene | ND | | ug/kg | 380 | 1 |
| Benzidine | ND | | ug/kg | 3800 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 380 | 1 |
| Hexachlorobenzene | ND | | ug/kg | 380 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 380 | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 460 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 380 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 380 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 380 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 770 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 380 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 380 | 1 |
| Azobenzene | ND | | ug/kg | 380 | 1 |
| Fluoranthene | 1800 | | ug/kg | 380 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 380 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 380 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 380 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 380 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 770 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 770 | 1 |
| Hexachloroethane | ND | | ug/kg | 380 | 1 |
| Isophorone | ND | | ug/kg | 380 | 1 |
| Naphthalene | ND | | ug/kg | 380 | 1 |
| Nitrobenzene | ND | | ug/kg | 380 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 1100 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 770 | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 380 | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 380 | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 380 | 1 |
| Diethyl phthalate | ND | | ug/kg | 380 | 1 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-04 Date Collected: 08/12/09 13:00

Client ID: SB-16A (2'-5') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 380 | 1 |
| Benzo(a)anthracene | 960 | | ug/kg | 380 | 1 |
| Benzo(a)pyrene | 770 | | ug/kg | 380 | 1 |
| Benzo(b)fluoranthene | 670 | | ug/kg | 380 | 1 |
| Benzo(k)fluoranthene | 730 | | ug/kg | 380 | 1 |
| Chrysene | 860 | | ug/kg | 380 | 1 |
| Acenaphthylene | ND | | ug/kg | 380 | 1 |
| Anthracene | ND | | ug/kg | 380 | 1 |
| Benzo(ghi)perylene | 400 | | ug/kg | 380 | 1 |
| Fluorene | ND | | ug/kg | 380 | 1 |
| Phenanthrene | 1200 | | ug/kg | 380 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 380 | 1 |
| Indeno(1,2,3-cd)Pyrene | 410 | | ug/kg | 380 | 1 |
| Pyrene | 1500 | | ug/kg | 380 | 1 |
| Aniline | ND | | ug/kg | 770 | 1 |
| 4-Chloroaniline | ND | | ug/kg | 380 | 1 |
| 1-Methylnaphthalene | ND | | ug/kg | 380 | 1 |
| 2-Nitroaniline | ND | | ug/kg | 380 | 1 |
| 3-Nitroaniline | ND | | ug/kg | 380 | 1 |
| 4-Nitroaniline | ND | | ug/kg | 540 | 1 |
| Dibenzofuran | ND | | ug/kg | 380 | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 380 | 1 |
| n-Nitrosodimethylamine | ND | | ug/kg | 3800 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 380 | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 380 | 1 |
| 2-Chlorophenol | ND | | ug/kg | 460 | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 770 | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 380 | 1 |
| 2-Nitrophenol | ND | | ug/kg | 1500 | 1 |
| 4-Nitrophenol | ND | | ug/kg | 770 | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1500 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 1500 | 1 |
| Pentachlorophenol | ND | | ug/kg | 1500 | 1 |
| Phenol | ND | | ug/kg | 540 | 1 |
| 2-Methylphenol | ND | | ug/kg | 460 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 460 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 380 | 1 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-04 Date Collected: 08/12/09 13:00

Client ID: SB-16A (2'-5') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Benzoic Acid | ND | | ug/kg | 3800 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 770 | 1 |
| Carbazole | ND | | ug/kg | 380 | 1 |
| Pyridine | ND | | ug/kg | 3800 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 65 | | 25-120 |
| Phenol-d6 | 67 | | 10-120 |
| Nitrobenzene-d5 | 68 | | 23-120 |
| 2-Fluorobiphenyl | 66 | | 30-120 |
| 2,4,6-Tribromophenol | 93 | | 0-136 |
| 4-Terphenyl-d14 | 70 | | 18-120 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-06 | Date Collected: | 08/14/09 13:00 |
| Client ID: | SB-17 (3'-5') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270C | Extraction Date: | 08/20/09 23:30 |
| Analytical Date: | 08/24/09 16:21 | | |
| Analyst: | PS | | |
| Percent Solids: | 88% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Acenaphthene | ND | | ug/kg | 380 | 1 |
| Benzidine | ND | | ug/kg | 3800 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 380 | 1 |
| Hexachlorobenzene | ND | | ug/kg | 380 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 380 | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 450 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 380 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 380 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 380 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 760 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 380 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 380 | 1 |
| Azobenzene | ND | | ug/kg | 380 | 1 |
| Fluoranthene | 2800 | | ug/kg | 380 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 380 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 380 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 380 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 380 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 760 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 760 | 1 |
| Hexachloroethane | ND | | ug/kg | 380 | 1 |
| Isophorone | ND | | ug/kg | 380 | 1 |
| Naphthalene | ND | | ug/kg | 380 | 1 |
| Nitrobenzene | ND | | ug/kg | 380 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 1100 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 760 | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 380 | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 380 | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 380 | 1 |
| Diethyl phthalate | ND | | ug/kg | 380 | 1 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-06 Date Collected: 08/14/09 13:00

Client ID: SB-17 (3'-5') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 380 | 1 |
| Benzo(a)anthracene | 990 | | ug/kg | 380 | 1 |
| Benzo(a)pyrene | 810 | | ug/kg | 380 | 1 |
| Benzo(b)fluoranthene | 870 | | ug/kg | 380 | 1 |
| Benzo(k)fluoranthene | 840 | | ug/kg | 380 | 1 |
| Chrysene | 1200 | | ug/kg | 380 | 1 |
| Acenaphthylene | ND | | ug/kg | 380 | 1 |
| Anthracene | ND | | ug/kg | 380 | 1 |
| Benzo(ghi)perylene | 500 | | ug/kg | 380 | 1 |
| Fluorene | ND | | ug/kg | 380 | 1 |
| Phenanthrene | 2000 | | ug/kg | 380 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 380 | 1 |
| Indeno(1,2,3-cd)Pyrene | 460 | | ug/kg | 380 | 1 |
| Pyrene | 2200 | | ug/kg | 380 | 1 |
| Aniline | ND | | ug/kg | 760 | 1 |
| 4-Chloroaniline | ND | | ug/kg | 380 | 1 |
| 1-Methylnaphthalene | ND | | ug/kg | 380 | 1 |
| 2-Nitroaniline | ND | | ug/kg | 380 | 1 |
| 3-Nitroaniline | ND | | ug/kg | 380 | 1 |
| 4-Nitroaniline | ND | | ug/kg | 530 | 1 |
| Dibenzofuran | ND | | ug/kg | 380 | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 380 | 1 |
| n-Nitrosodimethylamine | ND | | ug/kg | 3800 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 380 | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 380 | 1 |
| 2-Chlorophenol | ND | | ug/kg | 450 | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 760 | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 380 | 1 |
| 2-Nitrophenol | ND | | ug/kg | 1500 | 1 |
| 4-Nitrophenol | ND | | ug/kg | 760 | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1500 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 1500 | 1 |
| Pentachlorophenol | ND | | ug/kg | 1500 | 1 |
| Phenol | ND | | ug/kg | 530 | 1 |
| 2-Methylphenol | ND | | ug/kg | 450 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 450 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 380 | 1 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-06 Date Collected: 08/14/09 13:00

Client ID: SB-17 (3'-5') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Benzoic Acid | ND | | ug/kg | 3800 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 760 | 1 |
| Carbazole | ND | | ug/kg | 380 | 1 |
| Pyridine | ND | | ug/kg | 3800 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 48 | | 25-120 |
| Phenol-d6 | 51 | | 10-120 |
| Nitrobenzene-d5 | 51 | | 23-120 |
| 2-Fluorobiphenyl | 52 | | 30-120 |
| 2,4,6-Tribromophenol | 77 | | 0-136 |
| 4-Terphenyl-d14 | 54 | | 18-120 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-08 | Date Collected: | 08/14/09 13:30 |
| Client ID: | SB-17A (3'-5') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270C | Extraction Date: | 08/20/09 04:20 |
| Analytical Date: | 08/24/09 16:45 | | |
| Analyst: | PS | | |
| Percent Solids: | 83% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Acenaphthene | 460 | | ug/kg | 400 | 1 |
| Benzidine | ND | | ug/kg | 4000 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 400 | 1 |
| Hexachlorobenzene | ND | | ug/kg | 400 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 400 | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 480 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 400 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 400 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 400 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 800 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 400 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 400 | 1 |
| Azobenzene | ND | | ug/kg | 400 | 1 |
| Fluoranthene | 15000 | | ug/kg | 400 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 400 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 400 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 400 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 400 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 800 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 800 | 1 |
| Hexachloroethane | ND | | ug/kg | 400 | 1 |
| Isophorone | ND | | ug/kg | 400 | 1 |
| Naphthalene | ND | | ug/kg | 400 | 1 |
| Nitrobenzene | ND | | ug/kg | 400 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 1200 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 800 | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 400 | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 400 | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 400 | 1 |
| Diethyl phthalate | ND | | ug/kg | 400 | 1 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-08 Date Collected: 08/14/09 13:30

Client ID: SB-17A (3'-5') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 400 | 1 |
| Benzo(a)anthracene | 5300 | | ug/kg | 400 | 1 |
| Benzo(a)pyrene | 5400 | | ug/kg | 400 | 1 |
| Benzo(b)fluoranthene | 5200 | | ug/kg | 400 | 1 |
| Benzo(k)fluoranthene | 5000 | | ug/kg | 400 | 1 |
| Chrysene | 5200 | | ug/kg | 400 | 1 |
| Acenaphthylene | 490 | | ug/kg | 400 | 1 |
| Anthracene | 1200 | | ug/kg | 400 | 1 |
| Benzo(ghi)perylene | 3200 | | ug/kg | 400 | 1 |
| Fluorene | 430 | | ug/kg | 400 | 1 |
| Phenanthrene | 9400 | | ug/kg | 400 | 1 |
| Dibenzo(a,h)anthracene | 1000 | | ug/kg | 400 | 1 |
| Indeno(1,2,3-cd)Pyrene | 3000 | | ug/kg | 400 | 1 |
| Pyrene | 12000 | | ug/kg | 400 | 1 |
| Aniline | ND | | ug/kg | 800 | 1 |
| 4-Chloroaniline | ND | | ug/kg | 400 | 1 |
| 1-Methylnaphthalene | ND | | ug/kg | 400 | 1 |
| 2-Nitroaniline | ND | | ug/kg | 400 | 1 |
| 3-Nitroaniline | ND | | ug/kg | 400 | 1 |
| 4-Nitroaniline | ND | | ug/kg | 560 | 1 |
| Dibenzofuran | ND | | ug/kg | 400 | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 400 | 1 |
| n-Nitrosodimethylamine | ND | | ug/kg | 4000 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 400 | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 400 | 1 |
| 2-Chlorophenol | ND | | ug/kg | 480 | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 800 | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 400 | 1 |
| 2-Nitrophenol | ND | | ug/kg | 1600 | 1 |
| 4-Nitrophenol | ND | | ug/kg | 800 | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1600 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 1600 | 1 |
| Pentachlorophenol | ND | | ug/kg | 1600 | 1 |
| Phenol | ND | | ug/kg | 560 | 1 |
| 2-Methylphenol | ND | | ug/kg | 480 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 480 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 400 | 1 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-08 Date Collected: 08/14/09 13:30

Client ID: SB-17A (3'-5') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Benzoic Acid | ND | | ug/kg | 4000 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 800 | 1 |
| Carbazole | 790 | | ug/kg | 400 | 1 |
| Pyridine | ND | | ug/kg | 4000 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 73 | | 25-120 |
| Phenol-d6 | 76 | | 10-120 |
| Nitrobenzene-d5 | 78 | | 23-120 |
| 2-Fluorobiphenyl | 77 | | 30-120 |
| 2,4,6-Tribromophenol | 96 | | 0-136 |
| 4-Terphenyl-d14 | 69 | | 18-120 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-11 | Date Collected: | 08/12/09 14:30 |
| Client ID: | SB-23 (4'-6') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270C | Extraction Date: | 08/20/09 04:20 |
| Analytical Date: | 08/24/09 17:09 | | |
| Analyst: | PS | | |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Acenaphthene | ND | | ug/kg | 1900 | 5 |
| Benzidine | ND | | ug/kg | 19000 | 5 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1900 | 5 |
| Hexachlorobenzene | ND | | ug/kg | 1900 | 5 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 1900 | 5 |
| 2-Chloronaphthalene | ND | | ug/kg | 2200 | 5 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1900 | 5 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1900 | 5 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1900 | 5 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 3700 | 5 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 1900 | 5 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 1900 | 5 |
| Azobenzene | ND | | ug/kg | 1900 | 5 |
| Fluoranthene | 8200 | | ug/kg | 1900 | 5 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 1900 | 5 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 1900 | 5 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 1900 | 5 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 1900 | 5 |
| Hexachlorobutadiene | ND | | ug/kg | 3700 | 5 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 3700 | 5 |
| Hexachloroethane | ND | | ug/kg | 1900 | 5 |
| Isophorone | ND | | ug/kg | 1900 | 5 |
| Naphthalene | ND | | ug/kg | 1900 | 5 |
| Nitrobenzene | ND | | ug/kg | 1900 | 5 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 5600 | 5 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 3700 | 5 |
| Butyl benzyl phthalate | ND | | ug/kg | 1900 | 5 |
| Di-n-butylphthalate | ND | | ug/kg | 1900 | 5 |
| Di-n-octylphthalate | ND | | ug/kg | 1900 | 5 |
| Diethyl phthalate | ND | | ug/kg | 1900 | 5 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-11 Date Collected: 08/12/09 14:30

Client ID: SB-23 (4'-6') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 1900 | 5 |
| Benzo(a)anthracene | 4400 | | ug/kg | 1900 | 5 |
| Benzo(a)pyrene | 3600 | | ug/kg | 1900 | 5 |
| Benzo(b)fluoranthene | 3100 | | ug/kg | 1900 | 5 |
| Benzo(k)fluoranthene | 3400 | | ug/kg | 1900 | 5 |
| Chrysene | 3900 | | ug/kg | 1900 | 5 |
| Acenaphthylene | ND | | ug/kg | 1900 | 5 |
| Anthracene | ND | | ug/kg | 1900 | 5 |
| Benzo(ghi)perylene | ND | | ug/kg | 1900 | 5 |
| Fluorene | ND | | ug/kg | 1900 | 5 |
| Phenanthrene | 5900 | | ug/kg | 1900 | 5 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 1900 | 5 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/kg | 1900 | 5 |
| Pyrene | 6600 | | ug/kg | 1900 | 5 |
| Aniline | ND | | ug/kg | 3700 | 5 |
| 4-Chloroaniline | ND | | ug/kg | 1900 | 5 |
| 1-Methylnaphthalene | ND | | ug/kg | 1900 | 5 |
| 2-Nitroaniline | ND | | ug/kg | 1900 | 5 |
| 3-Nitroaniline | ND | | ug/kg | 1900 | 5 |
| 4-Nitroaniline | ND | | ug/kg | 2600 | 5 |
| Dibenzofuran | ND | | ug/kg | 1900 | 5 |
| 2-Methylnaphthalene | ND | | ug/kg | 1900 | 5 |
| n-Nitrosodimethylamine | ND | | ug/kg | 19000 | 5 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 1900 | 5 |
| P-Chloro-M-Cresol | ND | | ug/kg | 1900 | 5 |
| 2-Chlorophenol | ND | | ug/kg | 2200 | 5 |
| 2,4-Dichlorophenol | ND | | ug/kg | 3700 | 5 |
| 2,4-Dimethylphenol | ND | | ug/kg | 1900 | 5 |
| 2-Nitrophenol | ND | | ug/kg | 7500 | 5 |
| 4-Nitrophenol | ND | | ug/kg | 3700 | 5 |
| 2,4-Dinitrophenol | ND | | ug/kg | 7500 | 5 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 7500 | 5 |
| Pentachlorophenol | ND | | ug/kg | 7500 | 5 |
| Phenol | ND | | ug/kg | 2600 | 5 |
| 2-Methylphenol | ND | | ug/kg | 2200 | 5 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 2200 | 5 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 1900 | 5 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-11 Date Collected: 08/12/09 14:30

Client ID: SB-23 (4'-6') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Benzoic Acid | ND | | ug/kg | 19000 | 5 |
| Benzyl Alcohol | ND | | ug/kg | 3700 | 5 |
| Carbazole | ND | | ug/kg | 1900 | 5 |
| Pyridine | ND | | ug/kg | 19000 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 78 | | 25-120 |
| Phenol-d6 | 83 | | 10-120 |
| Nitrobenzene-d5 | 90 | | 23-120 |
| 2-Fluorobiphenyl | 84 | | 30-120 |
| 2,4,6-Tribromophenol | 103 | | 0-136 |
| 4-Terphenyl-d14 | 82 | | 18-120 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-13 | Date Collected: | 08/12/09 13:30 |
| Client ID: | SB-24 (3'-6') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270C | Extraction Date: | 08/20/09 04:20 |
| Analytical Date: | 08/24/09 17:34 | | |
| Analyst: | PS | | |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Acenaphthene | ND | | ug/kg | 780 | 2 |
| Benzidine | ND | | ug/kg | 7800 | 2 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 780 | 2 |
| Hexachlorobenzene | ND | | ug/kg | 780 | 2 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 780 | 2 |
| 2-Chloronaphthalene | ND | | ug/kg | 930 | 2 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 780 | 2 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 780 | 2 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 780 | 2 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 1600 | 2 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 780 | 2 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 780 | 2 |
| Azobenzene | ND | | ug/kg | 780 | 2 |
| Fluoranthene | 8100 | | ug/kg | 780 | 2 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 780 | 2 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 780 | 2 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 780 | 2 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 780 | 2 |
| Hexachlorobutadiene | ND | | ug/kg | 1600 | 2 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 1600 | 2 |
| Hexachloroethane | ND | | ug/kg | 780 | 2 |
| Isophorone | ND | | ug/kg | 780 | 2 |
| Naphthalene | ND | | ug/kg | 780 | 2 |
| Nitrobenzene | ND | | ug/kg | 780 | 2 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 2300 | 2 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 1600 | 2 |
| Butyl benzyl phthalate | ND | | ug/kg | 780 | 2 |
| Di-n-butylphthalate | ND | | ug/kg | 780 | 2 |
| Di-n-octylphthalate | ND | | ug/kg | 780 | 2 |
| Diethyl phthalate | ND | | ug/kg | 780 | 2 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-13 Date Collected: 08/12/09 13:30

Client ID: SB-24 (3'-6') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 780 | 2 |
| Benzo(a)anthracene | 3800 | | ug/kg | 780 | 2 |
| Benzo(a)pyrene | 3600 | | ug/kg | 780 | 2 |
| Benzo(b)fluoranthene | 4100 | | ug/kg | 780 | 2 |
| Benzo(k)fluoranthene | 2500 | | ug/kg | 780 | 2 |
| Chrysene | 3400 | | ug/kg | 780 | 2 |
| Acenaphthylene | 860 | | ug/kg | 780 | 2 |
| Anthracene | 990 | | ug/kg | 780 | 2 |
| Benzo(ghi)perylene | 2000 | | ug/kg | 780 | 2 |
| Fluorene | ND | | ug/kg | 780 | 2 |
| Phenanthrene | 3900 | | ug/kg | 780 | 2 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 780 | 2 |
| Indeno(1,2,3-cd)Pyrene | 2000 | | ug/kg | 780 | 2 |
| Pyrene | 6500 | | ug/kg | 780 | 2 |
| Aniline | ND | | ug/kg | 1600 | 2 |
| 4-Chloroaniline | ND | | ug/kg | 780 | 2 |
| 1-Methylnaphthalene | ND | | ug/kg | 780 | 2 |
| 2-Nitroaniline | ND | | ug/kg | 780 | 2 |
| 3-Nitroaniline | ND | | ug/kg | 780 | 2 |
| 4-Nitroaniline | ND | | ug/kg | 1100 | 2 |
| Dibenzofuran | ND | | ug/kg | 780 | 2 |
| 2-Methylnaphthalene | ND | | ug/kg | 780 | 2 |
| n-Nitrosodimethylamine | ND | | ug/kg | 7800 | 2 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 780 | 2 |
| P-Chloro-M-Cresol | ND | | ug/kg | 780 | 2 |
| 2-Chlorophenol | ND | | ug/kg | 930 | 2 |
| 2,4-Dichlorophenol | ND | | ug/kg | 1600 | 2 |
| 2,4-Dimethylphenol | ND | | ug/kg | 780 | 2 |
| 2-Nitrophenol | ND | | ug/kg | 3100 | 2 |
| 4-Nitrophenol | ND | | ug/kg | 1600 | 2 |
| 2,4-Dinitrophenol | ND | | ug/kg | 3100 | 2 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 3100 | 2 |
| Pentachlorophenol | ND | | ug/kg | 3100 | 2 |
| Phenol | ND | | ug/kg | 1100 | 2 |
| 2-Methylphenol | ND | | ug/kg | 930 | 2 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 930 | 2 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 780 | 2 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-13 Date Collected: 08/12/09 13:30

Client ID: SB-24 (3'-6') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | |
| Benzoic Acid | ND | | ug/kg | 7800 | 2 |
| Benzyl Alcohol | ND | | ug/kg | 1600 | 2 |
| Carbazole | ND | | ug/kg | 780 | 2 |
| Pyridine | ND | | ug/kg | 7800 | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 54 | | 25-120 |
| Phenol-d6 | 61 | | 10-120 |
| Nitrobenzene-d5 | 58 | | 23-120 |
| 2-Fluorobiphenyl | 65 | | 30-120 |
| 2,4,6-Tribromophenol | 88 | | 0-136 |
| 4-Terphenyl-d14 | 71 | | 18-120 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 08/24/09 10:48
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/20/09 04:20

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,11,13 Batch: WG376229-1 | | | | |
| Acenaphthene | ND | | ug/kg | 330 |
| Benzidine | ND | | ug/kg | 3300 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 330 |
| Hexachlorobenzene | ND | | ug/kg | 330 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 330 |
| 2-Chloronaphthalene | ND | | ug/kg | 400 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 330 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 330 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 330 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 670 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 330 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 330 |
| Azobenzene | ND | | ug/kg | 330 |
| Fluoranthene | ND | | ug/kg | 330 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 330 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 330 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 330 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 330 |
| Hexachlorobutadiene | ND | | ug/kg | 670 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 670 |
| Hexachloroethane | ND | | ug/kg | 330 |
| Isophorone | ND | | ug/kg | 330 |
| Naphthalene | ND | | ug/kg | 330 |
| Nitrobenzene | ND | | ug/kg | 330 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 1000 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 670 |
| Butyl benzyl phthalate | ND | | ug/kg | 330 |
| Di-n-butylphthalate | ND | | ug/kg | 330 |
| Di-n-octylphthalate | ND | | ug/kg | 330 |
| Diethyl phthalate | ND | | ug/kg | 330 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 08/24/09 10:48
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/20/09 04:20

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,11,13 Batch: WG376229-1 | | | | |
| Dimethyl phthalate | ND | | ug/kg | 330 |
| Benzo(a)anthracene | ND | | ug/kg | 330 |
| Benzo(a)pyrene | ND | | ug/kg | 330 |
| Benzo(b)fluoranthene | ND | | ug/kg | 330 |
| Benzo(k)fluoranthene | ND | | ug/kg | 330 |
| Chrysene | ND | | ug/kg | 330 |
| Acenaphthylene | ND | | ug/kg | 330 |
| Anthracene | ND | | ug/kg | 330 |
| Benzo(ghi)perylene | ND | | ug/kg | 330 |
| Fluorene | ND | | ug/kg | 330 |
| Phenanthrene | ND | | ug/kg | 330 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 330 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/kg | 330 |
| Pyrene | ND | | ug/kg | 330 |
| Aniline | ND | | ug/kg | 670 |
| 4-Chloroaniline | ND | | ug/kg | 330 |
| 1-Methylnaphthalene | ND | | ug/kg | 330 |
| 2-Nitroaniline | ND | | ug/kg | 330 |
| 3-Nitroaniline | ND | | ug/kg | 330 |
| 4-Nitroaniline | ND | | ug/kg | 470 |
| Dibenzofuran | ND | | ug/kg | 330 |
| 2-Methylnaphthalene | ND | | ug/kg | 330 |
| n-Nitrosodimethylamine | ND | | ug/kg | 3300 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 330 |
| P-Chloro-M-Cresol | ND | | ug/kg | 330 |
| 2-Chlorophenol | ND | | ug/kg | 400 |
| 2,4-Dichlorophenol | ND | | ug/kg | 670 |
| 2,4-Dimethylphenol | ND | | ug/kg | 330 |
| 2-Nitrophenol | ND | | ug/kg | 1300 |
| 4-Nitrophenol | ND | | ug/kg | 670 |

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 08/24/09 10:48
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/20/09 04:20

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,11,13 Batch: WG376229-1 | | | | |
| 2,4-Dinitrophenol | ND | | ug/kg | 1300 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 1300 |
| Pentachlorophenol | ND | | ug/kg | 1300 |
| Phenol | ND | | ug/kg | 470 |
| 2-Methylphenol | ND | | ug/kg | 400 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 400 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 330 |
| Benzoic Acid | ND | | ug/kg | 3300 |
| Benzyl Alcohol | ND | | ug/kg | 670 |
| Carbazole | ND | | ug/kg | 330 |
| Pyridine | ND | | ug/kg | 3300 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 55 | | 25-120 |
| Phenol-d6 | 56 | | 10-120 |
| Nitrobenzene-d5 | 57 | | 23-120 |
| 2-Fluorobiphenyl | 59 | | 30-120 |
| 2,4,6-Tribromophenol | 59 | | 0-136 |
| 4-Terphenyl-d14 | 95 | | 18-120 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDIA ST.

**Project Number:** 222610.01

**Lab Number:** L0911480

**Report Date:** 08/26/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,11,13 Batch: WG376229-2 WG376229-3 | | | | | |
| Acenaphthene | 67 | 78 | 31-137 | 15 | 50 |
| 1,2,4-Trichlorobenzene | 52 | 61 | 38-107 | 16 | 50 |
| 2-Chloronaphthalene | 71 | 90 | 40-140 | 24 | 50 |
| 1,2-Dichlorobenzene | 49 | 59 | 40-140 | 19 | 50 |
| 1,4-Dichlorobenzene | 48 | 58 | 28-104 | 19 | 50 |
| 2,4-Dinitrotoluene | **104** | **109** | 28-89 | 5 | 50 |
| 2,6-Dinitrotoluene | 86 | 94 | 40-140 | 9 | 50 |
| Fluoranthene | 96 | 103 | 40-140 | 7 | 50 |
| 4-Chlorophenyl phenyl ether | 80 | 91 | 40-140 | 13 | 50 |
| n-Nitrosodi-n-propylamine | 49 | 56 | 41-126 | 13 | 50 |
| Butyl benzyl phthalate | 93 | 101 | 40-140 | 8 | 50 |
| Anthracene | 92 | 99 | 40-140 | 7 | 50 |
| Pyrene | 90 | 97 | 35-142 | 7 | 50 |
| P-Chloro-M-Cresol | 80 | 91 | 26-103 | 13 | 50 |
| 2-Chlorophenol | 51 | 61 | 25-102 | 18 | 50 |
| 2-Nitrophenol | 60 | 69 | 30-130 | 14 | 50 |
| 4-Nitrophenol | 78 | 78 | 11-114 | 0 | 50 |
| 2,4-Dinitrophenol | 89 | 92 | 4-130 | 3 | 50 |
| Pentachlorophenol | 86 | 92 | 17-109 | 7 | 50 |
| Phenol | 55 | 65 | 26-90 | 17 | 50 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDIA ST.

**Project Number:** 222610.01

**Lab Number:** L0911480

**Report Date:** 08/26/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,11,13 Batch: WG376229-2 WG376229-3

| Surrogate | LCS %Recovery | Qualifier | LCSD %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 55 | | 62 | | 25-120 |
| Phenol-d6 | 54 | | 63 | | 10-120 |
| Nitrobenzene-d5 | 53 | | 61 | | 23-120 |
| 2-Fluorobiphenyl | 63 | | 74 | | 30-120 |
| 2,4,6-Tribromophenol | 108 | | 112 | | 0-136 |
| 4-Terphenyl-d14 | 95 | | 97 | | 18-120 |

# PETROLEUM HYDROCARBONS

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-02 | Date Collected: | 08/12/09 12:00 |
| Client ID: | SB-16 (3'-6') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | Extraction Date: | 08/19/09 22:46 |
| Analytical Date: | 08/20/09 17:21 | | |
| Analyst: | RT | | |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | |
| TPH | 103000 | | ug/kg | 38300 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 43 | | 40-140 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-04 | Date Collected: | 08/12/09 13:00 |
| Client ID: | SB-16A (2'-5') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | Extraction Date: | 08/19/09 22:46 |
| Analytical Date: | 08/20/09 16:13 | | |
| Analyst: | RT | | |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | |
| TPH | 69500 | | ug/kg | 38300 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 56 | | 40-140 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-06 | Date Collected: | 08/14/09 13:00 |
| Client ID: | SB-17 (3'-5') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | Extraction Date: | 08/20/09 23:41 |
| Analytical Date: | 08/25/09 01:38 | | |
| Analyst: | RT | | |
| Percent Solids: | 88% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | |
| TPH | 235000 | | ug/kg | 37900 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 91 | | 40-140 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-08 | Date Collected: | 08/14/09 13:30 |
| Client ID: | SB-17A (3'-5') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | Extraction Date: | 08/19/09 22:46 |
| Analytical Date: | 08/20/09 18:31 | | |
| Analyst: | RT | | |
| Percent Solids: | 83% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | |
| TPH | 299000 | | ug/kg | 40200 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 53 | | 40-140 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-11 | Date Collected: | 08/12/09 14:30 |
| Client ID: | SB-23 (4'-6') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | Extraction Date: | 08/19/09 22:46 |
| Analytical Date: | 08/20/09 19:05 | | |
| Analyst: | RT | | |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | |
| TPH | 205000 | | ug/kg | 37400 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | **18** | | 40-140 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L0911480-11 | RE | Date Collected: | 08/12/09 14:30 |
| Client ID: | SB-23 (4'-6') | | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | | Extraction Date: | 08/21/09 17:08 |
| Analytical Date: | 08/24/09 14:00 | | | |
| Analyst: | RT | | | |
| Percent Solids: | 89% | | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | |
| TPH | 260000 | | ug/kg | 187000 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | **27** | | 40-140 |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-13 | Date Collected: | 08/12/09 13:30 |
| Client ID: | SB-24 (3'-6') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | Extraction Date: | 08/19/09 22:46 |
| Analytical Date: | 08/20/09 19:39 | | |
| Analyst: | RT | | |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | |
| TPH | 144000 | | ug/kg | 38800 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 64 | | 40-140 |

**Project Name:** INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0911480
**Report Date:** 08/26/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8015B(M)
Analytical Date: 08/20/09 14:29
Analyst: RT

Extraction Method: EPA 3546
Extraction Date: 08/19/09 22:45

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 02,04,08,11,13 Batch: WG376208-1 | | | | |
| TPH | ND | | ug/kg | 33300 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 70 | | 40-140 |

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8015B(M)
Analytical Date: 08/24/09 11:06
Analyst: RT

Extraction Method: EPA 3546
Extraction Date: 08/20/09 23:41

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 06 Batch: WG376410-1 | | | | |
| TPH | ND | | ug/kg | 33300 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 92 | | 40-140 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,08,11,13 Batch: WG376208-2 | | | | | |
| TPH | 68 | - | 40-140 | - | |

| Surrogate | LCS %Recovery | Qualifier | LCSD %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| o-Terphenyl | 66 | | | | 40-140 |

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 06 Batch: WG376410-2 | | | | | |
| TPH | 114 | - | 40-140 | - | |

| Surrogate | LCS %Recovery | Qualifier | LCSD %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| o-Terphenyl | 99 | | | | 40-140 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,08,11,13 QC Batch ID: WG376208-3 QC Sample: L0911480-02 Client ID: SB-16 (3'-6') | | | | | |
| TPH | 103000 | 112000 | ug/kg | 8 | 40 |

| Surrogate | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| o-Terphenyl | 43 | | **16** | | 40-140 |

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 06 QC Batch ID: WG376410-4 QC Sample: L0911549-01 Client ID: DUP Sample | | | | | |
| TPH | 283000 | 310000 | ug/kg | 9 | 40 |

| Surrogate | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| o-Terphenyl | 91 | | **21** | | 40-140 |

# PCBS

**Project Name:** INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-02 | Date Collected: | 08/12/09 12:00 |
| Client ID: | SB-16 (3'-6') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/20/09 01:27 |
| Analytical Date: | 08/24/09 15:56 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 08/24/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 | A |
| Decachlorobiphenyl | 106 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 110 | | 30-150 | B |

**Project Name:** INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-04 | Date Collected: | 08/12/09 13:00 |
| Client ID: | SB-16A (2'-5') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/20/09 01:27 |
| Analytical Date: | 08/24/09 16:08 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 08/24/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 103 | | 30-150 | A |
| Decachlorobiphenyl | 118 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | B |
| Decachlorobiphenyl | 119 | | 30-150 | B |

**Project Name:** INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-06 | Date Collected: | 08/14/09 13:00 |
| Client ID: | SB-17 (3'-5') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/20/09 01:27 |
| Analytical Date: | 08/24/09 16:21 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 08/24/09 |
| Percent Solids: | 88% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.9 | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.9 | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.9 | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.9 | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.9 | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.9 | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.9 | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.9 | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.9 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | A |
| Decachlorobiphenyl | 96 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | B |
| Decachlorobiphenyl | 103 | | 30-150 | B |

**Project Name:** INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-08 | Date Collected: | 08/14/09 13:30 |
| Client ID: | SB-17A (3'-5') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/20/09 01:27 |
| Analytical Date: | 08/24/09 16:33 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 08/24/09 |
| Percent Solids: | 83% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.2 | 1 |
| Aroclor 1221 | ND | | ug/kg | 40.2 | 1 |
| Aroclor 1232 | ND | | ug/kg | 40.2 | 1 |
| Aroclor 1242 | ND | | ug/kg | 40.2 | 1 |
| Aroclor 1248 | ND | | ug/kg | 40.2 | 1 |
| Aroclor 1254 | ND | | ug/kg | 40.2 | 1 |
| Aroclor 1260 | ND | | ug/kg | 40.2 | 1 |
| Aroclor 1262 | ND | | ug/kg | 40.2 | 1 |
| Aroclor 1268 | ND | | ug/kg | 40.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 86 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 | B |
| Decachlorobiphenyl | 99 | | 30-150 | B |

**Project Name:** INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-11 | Date Collected: | 08/12/09 14:30 |
| Client ID: | SB-23 (4'-6') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/20/09 01:27 |
| Analytical Date: | 08/24/09 16:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 08/24/09 |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.4 | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.4 | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.4 | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.4 | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.4 | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.4 | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.4 | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.4 | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.4 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 30 | | 30-150 | A |
| Decachlorobiphenyl | 34 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **23** | | 30-150 | B |
| Decachlorobiphenyl | 39 | | 30-150 | B |

**Project Name:** INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-13 | Date Collected: | 08/12/09 13:30 |
| Client ID: | SB-24 (3'-6') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/20/09 01:27 |
| Analytical Date: | 08/24/09 17:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 08/24/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.8 | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.8 | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.8 | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.8 | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.8 | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.8 | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.8 | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.8 | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.8 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | A |
| Decachlorobiphenyl | 106 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 | B |
| Decachlorobiphenyl | 108 | | 30-150 | B |

**Project Name:** INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0911480
**Report Date:** 08/26/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 08/24/09 10:02
Analyst: SH

Extraction Method: EPA 3540C
Extraction Date: 08/20/09 01:27
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/24/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 02,04,06,08,11,13 Batch: WG376223-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 |
| Aroclor 1221 | ND | | ug/kg | 33.3 |
| Aroclor 1232 | ND | | ug/kg | 33.3 |
| Aroclor 1242 | ND | | ug/kg | 33.3 |
| Aroclor 1248 | ND | | ug/kg | 33.3 |
| Aroclor 1254 | ND | | ug/kg | 33.3 |
| Aroclor 1260 | ND | | ug/kg | 33.3 |
| Aroclor 1262 | ND | | ug/kg | 33.3 |
| Aroclor 1268 | ND | | ug/kg | 33.3 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 104 | | 30-150 | A |
| Decachlorobiphenyl | 107 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | B |
| Decachlorobiphenyl | 87 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDIA ST.

**Project Number:** 222610.01

**Lab Number:** L0911480

**Report Date:** 08/26/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 02,04,06,08,11,13 Batch: WG376223-2 WG376223-3 | | | | | |
| Aroclor 1016 | 83 | 88 | 40-140 | 6 | 50 |
| Aroclor 1260 | 93 | 89 | 40-140 | 4 | 50 |

| Surrogate | LCS %Recovery | Qualifier | LCSD %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 90 | | 30-150 | A |
| Decachlorobiphenyl | 100 | | 88 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 75 | | 30-150 | B |
| Decachlorobiphenyl | 101 | | 97 | | 30-150 | B |

# PESTICIDES

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-02 | Date Collected: | 08/12/09 12:00 |
| Client ID: | SB-16 (3'-6') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3545 |
| Analytical Method: | 1, 8081 | Extraction Date: | 08/20/09 13:56 |
| Analytical Date: | 08/25/09 17:34 | Cleanup Method1: | EPA 3620B |
| Analyst: | JB | Cleanup Date1: | 08/24/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Pesticides by GC - Westborough Lab** | | | | | |
| Delta-BHC | ND | | ug/kg | 3.83 | 1 |
| Lindane | ND | | ug/kg | 3.83 | 1 |
| Alpha-BHC | ND | | ug/kg | 3.83 | 1 |
| Beta-BHC | ND | | ug/kg | 3.83 | 1 |
| Heptachlor | ND | | ug/kg | 3.83 | 1 |
| Aldrin | ND | | ug/kg | 3.83 | 1 |
| Heptachlor epoxide | ND | | ug/kg | 3.83 | 1 |
| Endrin | ND | | ug/kg | 3.83 | 1 |
| Endrin aldehyde | ND | | ug/kg | 3.83 | 1 |
| Endrin ketone | ND | | ug/kg | 3.83 | 1 |
| Dieldrin | ND | | ug/kg | 3.83 | 1 |
| 4,4'-DDE | ND | | ug/kg | 3.83 | 1 |
| 4,4'-DDD | ND | | ug/kg | 3.83 | 1 |
| 4,4'-DDT | ND | | ug/kg | 3.83 | 1 |
| Endosulfan I | ND | | ug/kg | 3.83 | 1 |
| Endosulfan II | ND | | ug/kg | 3.83 | 1 |
| Endosulfan sulfate | ND | | ug/kg | 3.83 | 1 |
| Methoxychlor | ND | | ug/kg | 15.3 | 1 |
| Toxaphene | ND | | ug/kg | 38.3 | 1 |
| Chlordane | ND | | ug/kg | 38.3 | 1 |
| cis-Chlordane | ND | | ug/kg | 3.83 | 1 |
| trans-Chlordane | ND | | ug/kg | 3.83 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 30-150 | A |
| Decachlorobiphenyl | 42 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 33 | | 30-150 | B |
| Decachlorobiphenyl | 45 | | 30-150 | B |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-04 | Date Collected: | 08/12/09 13:00 |
| Client ID: | SB-16A (2'-5') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3545 |
| Analytical Method: | 1, 8081 | Extraction Date: | 08/20/09 13:56 |
| Analytical Date: | 08/25/09 13:26 | Cleanup Method1: | EPA 3620B |
| Analyst: | JB | Cleanup Date1: | 08/24/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Pesticides by GC - Westborough Lab** | | | | | |
| Delta-BHC | ND | | ug/kg | 3.83 | 1 |
| Lindane | ND | | ug/kg | 3.83 | 1 |
| Alpha-BHC | ND | | ug/kg | 3.83 | 1 |
| Beta-BHC | ND | | ug/kg | 3.83 | 1 |
| Heptachlor | ND | | ug/kg | 3.83 | 1 |
| Aldrin | ND | | ug/kg | 3.83 | 1 |
| Heptachlor epoxide | ND | | ug/kg | 3.83 | 1 |
| Endrin | ND | | ug/kg | 3.83 | 1 |
| Endrin aldehyde | ND | | ug/kg | 3.83 | 1 |
| Endrin ketone | ND | | ug/kg | 3.83 | 1 |
| Dieldrin | ND | | ug/kg | 3.83 | 1 |
| 4,4'-DDE | ND | | ug/kg | 3.83 | 1 |
| 4,4'-DDD | ND | | ug/kg | 3.83 | 1 |
| 4,4'-DDT | ND | | ug/kg | 3.83 | 1 |
| Endosulfan I | ND | | ug/kg | 3.83 | 1 |
| Endosulfan II | ND | | ug/kg | 3.83 | 1 |
| Endosulfan sulfate | ND | | ug/kg | 3.83 | 1 |
| Methoxychlor | ND | | ug/kg | 15.3 | 1 |
| Toxaphene | ND | | ug/kg | 38.3 | 1 |
| Chlordane | ND | | ug/kg | 38.3 | 1 |
| cis-Chlordane | ND | | ug/kg | 3.83 | 1 |
| trans-Chlordane | ND | | ug/kg | 3.83 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **18** | | 30-150 | A |
| Decachlorobiphenyl | **16** | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **11** | | 30-150 | B |
| Decachlorobiphenyl | **17** | | 30-150 | B |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L0911480-04 | RE | Date Collected: | 08/12/09 13:00 |
| Client ID: | SB-16A (2'-5') | | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3545 |
| Analytical Method: | 1, 8081 | | Extraction Date: | 08/25/09 19:15 |
| Analytical Date: | 08/26/09 14:59 | | Cleanup Method1: | EPA 3620B |
| Analyst: | JB | | Cleanup Date1: | 08/26/09 |
| Percent Solids: | 87% | | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Pesticides by GC - Westborough Lab** | | | | | |
| Delta-BHC | ND | | ug/kg | 3.83 | 1 |
| Lindane | ND | | ug/kg | 3.83 | 1 |
| Alpha-BHC | ND | | ug/kg | 3.83 | 1 |
| Beta-BHC | ND | | ug/kg | 3.83 | 1 |
| Heptachlor | ND | | ug/kg | 3.83 | 1 |
| Aldrin | ND | | ug/kg | 3.83 | 1 |
| Heptachlor epoxide | ND | | ug/kg | 3.83 | 1 |
| Endrin | ND | | ug/kg | 3.83 | 1 |
| Endrin aldehyde | ND | | ug/kg | 3.83 | 1 |
| Endrin ketone | ND | | ug/kg | 3.83 | 1 |
| Dieldrin | ND | | ug/kg | 3.83 | 1 |
| 4,4'-DDE | ND | | ug/kg | 3.83 | 1 |
| 4,4'-DDD | ND | | ug/kg | 3.83 | 1 |
| 4,4'-DDT | ND | | ug/kg | 3.83 | 1 |
| Endosulfan I | ND | | ug/kg | 3.83 | 1 |
| Endosulfan II | ND | | ug/kg | 3.83 | 1 |
| Endosulfan sulfate | ND | | ug/kg | 3.83 | 1 |
| Methoxychlor | ND | | ug/kg | 15.3 | 1 |
| Toxaphene | ND | | ug/kg | 38.3 | 1 |
| Chlordane | ND | | ug/kg | 38.3 | 1 |
| cis-Chlordane | ND | | ug/kg | 3.83 | 1 |
| trans-Chlordane | ND | | ug/kg | 3.83 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **23** | | 30-150 | A |
| Decachlorobiphenyl | 30 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **15** | | 30-150 | B |
| Decachlorobiphenyl | **27** | | 30-150 | B |

**Project Name:** INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-06 | Date Collected: | 08/14/09 13:00 |
| Client ID: | SB-17 (3'-5') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3545 |
| Analytical Method: | 1, 8081 | Extraction Date: | 08/20/09 13:56 |
| Analytical Date: | 08/25/09 17:47 | Cleanup Method1: | EPA 3620B |
| Analyst: | JB | Cleanup Date1: | 08/24/09 |
| Percent Solids: | 88% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Pesticides by GC - Westborough Lab** | | | | | |
| Delta-BHC | ND | | ug/kg | 3.79 | 1 |
| Lindane | ND | | ug/kg | 3.79 | 1 |
| Alpha-BHC | ND | | ug/kg | 3.79 | 1 |
| Beta-BHC | ND | | ug/kg | 3.79 | 1 |
| Heptachlor | ND | | ug/kg | 3.79 | 1 |
| Aldrin | ND | | ug/kg | 3.79 | 1 |
| Heptachlor epoxide | ND | | ug/kg | 3.79 | 1 |
| Endrin | ND | | ug/kg | 3.79 | 1 |
| Endrin aldehyde | ND | | ug/kg | 3.79 | 1 |
| Endrin ketone | ND | | ug/kg | 3.79 | 1 |
| Dieldrin | ND | | ug/kg | 3.79 | 1 |
| 4,4'-DDE | ND | | ug/kg | 3.79 | 1 |
| 4,4'-DDD | ND | | ug/kg | 3.79 | 1 |
| 4,4'-DDT | ND | | ug/kg | 3.79 | 1 |
| Endosulfan I | ND | | ug/kg | 3.79 | 1 |
| Endosulfan II | ND | | ug/kg | 3.79 | 1 |
| Endosulfan sulfate | ND | | ug/kg | 3.79 | 1 |
| Methoxychlor | ND | | ug/kg | 15.2 | 1 |
| Toxaphene | ND | | ug/kg | 37.9 | 1 |
| Chlordane | ND | | ug/kg | 37.9 | 1 |
| cis-Chlordane | ND | | ug/kg | 3.79 | 1 |
| trans-Chlordane | ND | | ug/kg | 3.79 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | A |
| Decachlorobiphenyl | 70 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 51 | | 30-150 | B |
| Decachlorobiphenyl | 73 | | 30-150 | B |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-08 | Date Collected: | 08/14/09 13:30 |
| Client ID: | SB-17A (3'-5') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3545 |
| Analytical Method: | 1, 8081 | Extraction Date: | 08/20/09 13:56 |
| Analytical Date: | 08/25/09 18:00 | Cleanup Method1: | EPA 3620B |
| Analyst: | JB | Cleanup Date1: | 08/24/09 |
| Percent Solids: | 83% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Pesticides by GC - Westborough Lab** | | | | | |
| Delta-BHC | ND | | ug/kg | 4.02 | 1 |
| Lindane | ND | | ug/kg | 4.02 | 1 |
| Alpha-BHC | ND | | ug/kg | 4.02 | 1 |
| Beta-BHC | ND | | ug/kg | 4.02 | 1 |
| Heptachlor | ND | | ug/kg | 4.02 | 1 |
| Aldrin | ND | | ug/kg | 4.02 | 1 |
| Heptachlor epoxide | ND | | ug/kg | 4.02 | 1 |
| Endrin | ND | | ug/kg | 4.02 | 1 |
| Endrin aldehyde | ND | | ug/kg | 4.02 | 1 |
| Endrin ketone | ND | | ug/kg | 4.02 | 1 |
| Dieldrin | ND | | ug/kg | 4.02 | 1 |
| 4,4'-DDE | ND | | ug/kg | 4.02 | 1 |
| 4,4'-DDD | ND | | ug/kg | 4.02 | 1 |
| 4,4'-DDT | ND | | ug/kg | 4.02 | 1 |
| Endosulfan I | ND | | ug/kg | 4.02 | 1 |
| Endosulfan II | ND | | ug/kg | 4.02 | 1 |
| Endosulfan sulfate | ND | | ug/kg | 4.02 | 1 |
| Methoxychlor | ND | | ug/kg | 16.1 | 1 |
| Toxaphene | ND | | ug/kg | 40.2 | 1 |
| Chlordane | ND | | ug/kg | 40.2 | 1 |
| cis-Chlordane | ND | | ug/kg | 4.02 | 1 |
| trans-Chlordane | ND | | ug/kg | 4.02 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | A |
| Decachlorobiphenyl | 74 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 46 | | 30-150 | B |
| Decachlorobiphenyl | 81 | | 30-150 | B |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-11 | Date Collected: | 08/12/09 14:30 |
| Client ID: | SB-23 (4'-6') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3545 |
| Analytical Method: | 1, 8081 | Extraction Date: | 08/25/09 19:15 |
| Analytical Date: | 08/26/09 15:12 | Cleanup Method1: | EPA 3620B |
| Analyst: | JB | Cleanup Date1: | 08/26/09 |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Pesticides by GC - Westborough Lab** | | | | | |
| Delta-BHC | ND | | ug/kg | 18.7 | 5 |
| Lindane | ND | | ug/kg | 18.7 | 5 |
| Alpha-BHC | ND | | ug/kg | 18.7 | 5 |
| Beta-BHC | ND | | ug/kg | 18.7 | 5 |
| Heptachlor | ND | | ug/kg | 18.7 | 5 |
| Aldrin | ND | | ug/kg | 18.7 | 5 |
| Heptachlor epoxide | ND | | ug/kg | 18.7 | 5 |
| Endrin | ND | | ug/kg | 18.7 | 5 |
| Endrin aldehyde | ND | | ug/kg | 18.7 | 5 |
| Endrin ketone | ND | | ug/kg | 18.7 | 5 |
| Dieldrin | ND | | ug/kg | 18.7 | 5 |
| 4,4'-DDE | ND | | ug/kg | 18.7 | 5 |
| 4,4'-DDD | ND | | ug/kg | 18.7 | 5 |
| 4,4'-DDT | 128 | | ug/kg | 18.7 | 5 |
| Endosulfan I | ND | | ug/kg | 18.7 | 5 |
| Endosulfan II | ND | | ug/kg | 18.7 | 5 |
| Endosulfan sulfate | ND | | ug/kg | 18.7 | 5 |
| Methoxychlor | ND | | ug/kg | 74.9 | 5 |
| Toxaphene | ND | | ug/kg | 187 | 5 |
| Chlordane | ND | | ug/kg | 187 | 5 |
| cis-Chlordane | ND | | ug/kg | 18.7 | 5 |
| trans-Chlordane | ND | | ug/kg | 18.7 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | A |
| Decachlorobiphenyl | 64 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 30-150 | B |
| Decachlorobiphenyl | 79 | | 30-150 | B |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0911480-13 | Date Collected: | 08/12/09 13:30 |
| Client ID: | SB-24 (3'-6') | Date Received: | 08/18/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3545 |
| Analytical Method: | 1, 8081 | Extraction Date: | 08/20/09 13:56 |
| Analytical Date: | 08/25/09 18:13 | Cleanup Method1: | EPA 3620B |
| Analyst: | JB | Cleanup Date1: | 08/24/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **Pesticides by GC - Westborough Lab** | | | | | |
| Delta-BHC | ND | | ug/kg | 19.4 | 5 |
| Lindane | ND | | ug/kg | 19.4 | 5 |
| Alpha-BHC | ND | | ug/kg | 19.4 | 5 |
| Beta-BHC | ND | | ug/kg | 19.4 | 5 |
| Heptachlor | ND | | ug/kg | 19.4 | 5 |
| Aldrin | ND | | ug/kg | 19.4 | 5 |
| Heptachlor epoxide | ND | | ug/kg | 19.4 | 5 |
| Endrin | ND | | ug/kg | 19.4 | 5 |
| Endrin aldehyde | ND | | ug/kg | 19.4 | 5 |
| Endrin ketone | ND | | ug/kg | 19.4 | 5 |
| Dieldrin | ND | | ug/kg | 19.4 | 5 |
| 4,4'-DDE | ND | | ug/kg | 19.4 | 5 |
| 4,4'-DDD | ND | | ug/kg | 19.4 | 5 |
| 4,4'-DDT | ND | | ug/kg | 19.4 | 5 |
| Endosulfan I | ND | | ug/kg | 19.4 | 5 |
| Endosulfan II | ND | | ug/kg | 19.4 | 5 |
| Endosulfan sulfate | ND | | ug/kg | 19.4 | 5 |
| Methoxychlor | ND | | ug/kg | 77.5 | 5 |
| Toxaphene | ND | | ug/kg | 194 | 5 |
| Chlordane | ND | | ug/kg | 194 | 5 |
| cis-Chlordane | ND | | ug/kg | 19.4 | 5 |
| trans-Chlordane | ND | | ug/kg | 19.4 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | A |
| Decachlorobiphenyl | 56 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 39 | | 30-150 | B |
| Decachlorobiphenyl | 51 | | 30-150 | B |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1, 8081
Analytical Date: 08/25/09 16:56
Analyst: JB

Extraction Method: EPA 3545
Extraction Date: 08/20/09 13:56
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/24/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Pesticides by GC - Westborough Lab for sample(s): 02,04,06,08,13 Batch: WG376331-1 | | | | |
| Delta-BHC | ND | | ug/kg | 3.33 |
| Lindane | ND | | ug/kg | 3.33 |
| Alpha-BHC | ND | | ug/kg | 3.33 |
| Beta-BHC | ND | | ug/kg | 3.33 |
| Heptachlor | ND | | ug/kg | 3.33 |
| Aldrin | ND | | ug/kg | 3.33 |
| Heptachlor epoxide | ND | | ug/kg | 3.33 |
| Endrin | ND | | ug/kg | 3.33 |
| Endrin aldehyde | ND | | ug/kg | 3.33 |
| Endrin ketone | ND | | ug/kg | 3.33 |
| Dieldrin | ND | | ug/kg | 3.33 |
| 4,4'-DDE | ND | | ug/kg | 3.33 |
| 4,4'-DDD | ND | | ug/kg | 3.33 |
| 4,4'-DDT | ND | | ug/kg | 3.33 |
| Endosulfan I | ND | | ug/kg | 3.33 |
| Endosulfan II | ND | | ug/kg | 3.33 |
| Endosulfan sulfate | ND | | ug/kg | 3.33 |
| Methoxychlor | ND | | ug/kg | 13.3 |
| Toxaphene | ND | | ug/kg | 33.3 |
| Chlordane | ND | | ug/kg | 33.3 |
| cis-Chlordane | ND | | ug/kg | 3.33 |
| trans-Chlordane | ND | | ug/kg | 3.33 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | A |
| Decachlorobiphenyl | 59 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 44 | | 30-150 | B |
| Decachlorobiphenyl | 67 | | 30-150 | B |

**Project Name:** INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0911480
**Report Date:** 08/26/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1, 8081
Analytical Date: 08/26/09 14:20
Analyst: JB

Extraction Method: EPA 3545
Extraction Date: 08/25/09 19:15
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/26/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| Pesticides by GC - Westborough Lab for sample(s): 11 Batch: WG377025-1 | | | | |
| Delta-BHC | ND | | ug/kg | 3.33 |
| Lindane | ND | | ug/kg | 3.33 |
| Alpha-BHC | ND | | ug/kg | 3.33 |
| Beta-BHC | ND | | ug/kg | 3.33 |
| Heptachlor | ND | | ug/kg | 3.33 |
| Aldrin | ND | | ug/kg | 3.33 |
| Heptachlor epoxide | ND | | ug/kg | 3.33 |
| Endrin | ND | | ug/kg | 3.33 |
| Endrin aldehyde | ND | | ug/kg | 3.33 |
| Endrin ketone | ND | | ug/kg | 3.33 |
| Dieldrin | ND | | ug/kg | 3.33 |
| 4,4'-DDE | ND | | ug/kg | 3.33 |
| 4,4'-DDD | ND | | ug/kg | 3.33 |
| 4,4'-DDT | ND | | ug/kg | 3.33 |
| Endosulfan I | ND | | ug/kg | 3.33 |
| Endosulfan II | ND | | ug/kg | 3.33 |
| Endosulfan sulfate | ND | | ug/kg | 3.33 |
| Methoxychlor | ND | | ug/kg | 13.3 |
| Toxaphene | ND | | ug/kg | 33.3 |
| Chlordane | ND | | ug/kg | 33.3 |
| cis-Chlordane | ND | | ug/kg | 3.33 |
| trans-Chlordane | ND | | ug/kg | 3.33 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | A |
| Decachlorobiphenyl | 88 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 | B |
| Decachlorobiphenyl | 71 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDIA ST.

**Project Number:** 222610.01

**Lab Number:** L0911480

**Report Date:** 08/26/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Pesticides by GC - Westborough Lab Associated sample(s): 02,04,06,08,13 Batch: WG376331-2 WG376331-3 | | | | | |
| Delta-BHC | 58 | 52 | 30-150 | 11 | 30 |
| Lindane | 53 | 48 | 30-150 | 10 | 30 |
| Alpha-BHC | 52 | 48 | 30-150 | 8 | 30 |
| Beta-BHC | 53 | 48 | 30-150 | 10 | 30 |
| Heptachlor | 57 | 52 | 30-150 | 9 | 30 |
| Aldrin | 52 | 47 | 30-150 | 10 | 30 |
| Heptachlor epoxide | 63 | 56 | 30-150 | 12 | 30 |
| Endrin | 58 | 51 | 30-150 | 13 | 30 |
| Endrin aldehyde | 46 | 37 | 30-150 | 22 | 30 |
| Endrin ketone | 62 | 54 | 30-150 | 14 | 30 |
| Dieldrin | 61 | 54 | 30-150 | 12 | 30 |
| 4,4'-DDE | 56 | 49 | 30-150 | 13 | 30 |
| 4,4'-DDD | 62 | 54 | 30-150 | 14 | 30 |
| 4,4'-DDT | 61 | 52 | 30-150 | 16 | 30 |
| Endosulfan I | 59 | 53 | 30-150 | 11 | 30 |
| Endosulfan II | 60 | 53 | 30-150 | 12 | 30 |
| Endosulfan sulfate | 61 | 54 | 30-150 | 12 | 30 |
| Methoxychlor | 71 | 60 | 30-150 | 17 | 30 |
| cis-Chlordane | 54 | 48 | 30-150 | 12 | 30 |
| trans-Chlordane | 57 | 51 | 30-150 | 11 | 30 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|

Pesticides by GC - Westborough Lab Associated sample(s): 02,04,06,08,13 Batch: WG376331-2 WG376331-3

| Surrogate | LCS %Recovery | Qualifier | LCSD %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 39 | | 30-150 | A |
| Decachlorobiphenyl | 52 | | 36 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 39 | | 30 | | 30-150 | B |
| Decachlorobiphenyl | 61 | | 40 | | 30-150 | B |

Pesticides by GC - Westborough Lab Associated sample(s): 11 Batch: WG377025-2

| | | | | | |
|---|---|---|---|---|---|
| Delta-BHC | 93 | - | 30-150 | - | 30 |
| Lindane | 85 | - | 30-150 | - | 30 |
| Alpha-BHC | 86 | - | 30-150 | - | 30 |
| Beta-BHC | 83 | - | 30-150 | - | 30 |
| Heptachlor | 90 | - | 30-150 | - | 30 |
| Aldrin | 81 | - | 30-150 | - | 30 |
| Heptachlor epoxide | 98 | - | 30-150 | - | 30 |
| Endrin | 89 | - | 30-150 | - | 30 |
| Endrin aldehyde | 65 | - | 30-150 | - | 30 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0911480
**Report Date:** 08/26/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Pesticides by GC - Westborough Lab Associated sample(s): 11 Batch: WG377025-2 | | | | | |
| Endrin ketone | 94 | - | 30-150 | - | 30 |
| Dieldrin | 96 | - | 30-150 | - | 30 |
| 4,4'-DDE | 90 | - | 30-150 | - | 30 |
| 4,4'-DDD | 98 | - | 30-150 | - | 30 |
| 4,4'-DDT | 101 | - | 30-150 | - | 30 |
| Endosulfan I | 100 | - | 30-150 | - | 30 |
| Endosulfan II | 91 | - | 30-150 | - | 30 |
| Endosulfan sulfate | 89 | - | 30-150 | - | 30 |
| Methoxychlor | 109 | - | 30-150 | - | 30 |
| cis-Chlordane | 88 | - | 30-150 | - | 30 |
| trans-Chlordane | 92 | - | 30-150 | - | 30 |

| Surrogate | LCS %Recovery | Qualifier | LCSD %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | | | 30-150 | A |
| Decachlorobiphenyl | 90 | | | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | | | 30-150 | B |
| Decachlorobiphenyl | 71 | | | | 30-150 | B |

# METALS

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-01 Date Collected: 08/12/09 12:00

Client ID: SB-16 (0'-3') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 94%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 4.5 | | mg/kg | 0.39 | 1 | 08/21/09 15:20 | 08/21/09 21:07 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 130 | | mg/kg | 0.39 | 1 | 08/21/09 15:20 | 08/21/09 21:07 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | 0.30 | | mg/kg | 0.20 | 1 | 08/21/09 15:20 | 08/21/09 21:07 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | 0.44 | | mg/kg | 0.39 | 1 | 08/21/09 15:20 | 08/21/09 21:07 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 6.4 | | mg/kg | 0.39 | 1 | 08/21/09 15:20 | 08/21/09 21:07 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 790 | | mg/kg | 2.0 | 1 | 08/21/09 15:20 | 08/21/09 21:07 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | 0.36 | | mg/kg | 0.08 | 1 | 08/19/09 15:05 | 08/20/09 12:57 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 0.78 | 1 | 08/21/09 15:20 | 08/21/09 21:07 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 0.39 | 1 | 08/21/09 15:20 | 08/21/09 21:07 | EPA 3050B | 1,6010B | MG |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-02 Date Collected: 08/12/09 12:00

Client ID: SB-16 (3'-6') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 87%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 16 | | mg/kg | 0.46 | 1 | 08/21/09 15:20 | 08/21/09 21:54 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 67 | | mg/kg | 0.46 | 1 | 08/21/09 15:20 | 08/21/09 21:54 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | 0.38 | | mg/kg | 0.23 | 1 | 08/21/09 15:20 | 08/21/09 21:54 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | 1.3 | | mg/kg | 0.46 | 1 | 08/21/09 15:20 | 08/21/09 21:54 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 12 | | mg/kg | 0.46 | 1 | 08/21/09 15:20 | 08/21/09 21:54 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 250 | | mg/kg | 2.3 | 1 | 08/21/09 15:20 | 08/21/09 21:54 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | 0.32 | | mg/kg | 0.08 | 1 | 08/19/09 15:05 | 08/20/09 12:58 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 0.92 | 1 | 08/21/09 15:20 | 08/21/09 21:54 | EPA 3050B | 1,6010B | MG |
| Silver, Total | 0.51 | | mg/kg | 0.46 | 1 | 08/21/09 15:20 | 08/21/09 21:54 | EPA 3050B | 1,6010B | MG |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-03 Date Collected: 08/12/09 13:00

Client ID: SB-16A (0'-2') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 9.1 | | mg/kg | 0.40 | 1 | 08/21/09 15:20 | 08/21/09 22:01 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 49 | | mg/kg | 0.40 | 1 | 08/21/09 15:20 | 08/21/09 22:01 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | 0.32 | | mg/kg | 0.20 | 1 | 08/21/09 15:20 | 08/21/09 22:01 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | 0.81 | | mg/kg | 0.40 | 1 | 08/21/09 15:20 | 08/21/09 22:01 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 19 | | mg/kg | 0.40 | 1 | 08/21/09 15:20 | 08/21/09 22:01 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 190 | | mg/kg | 2.0 | 1 | 08/21/09 15:20 | 08/21/09 22:01 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | 0.09 | | mg/kg | 0.08 | 1 | 08/19/09 15:05 | 08/20/09 13:00 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 0.79 | 1 | 08/21/09 15:20 | 08/21/09 22:01 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 0.40 | 1 | 08/21/09 15:20 | 08/21/09 22:01 | EPA 3050B | 1,6010B | MG |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-04 Date Collected: 08/12/09 13:00

Client ID: SB-16A (2'-5') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 87%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 9.2 | | mg/kg | 0.42 | 1 | 08/21/09 15:20 | 08/21/09 22:09 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 54 | | mg/kg | 0.42 | 1 | 08/21/09 15:20 | 08/21/09 22:09 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | 0.60 | | mg/kg | 0.21 | 1 | 08/21/09 15:20 | 08/21/09 22:09 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | 0.77 | | mg/kg | 0.42 | 1 | 08/21/09 15:20 | 08/21/09 22:09 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 13 | | mg/kg | 0.42 | 1 | 08/21/09 15:20 | 08/21/09 22:09 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 170 | | mg/kg | 2.1 | 1 | 08/21/09 15:20 | 08/21/09 22:09 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | 0.31 | | mg/kg | 0.09 | 1 | 08/19/09 15:05 | 08/20/09 13:02 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 0.85 | 1 | 08/21/09 15:20 | 08/21/09 22:09 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 0.42 | 1 | 08/21/09 15:20 | 08/21/09 22:09 | EPA 3050B | 1,6010B | MG |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-05 Date Collected: 08/14/09 13:00

Client ID: SB-17 (0'-3') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 96%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 5.7 | | mg/kg | 0.37 | 1 | 08/21/09 15:20 | 08/21/09 22:17 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 12 | | mg/kg | 0.37 | 1 | 08/21/09 15:20 | 08/21/09 22:17 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | 0.46 | | mg/kg | 0.19 | 1 | 08/21/09 15:20 | 08/21/09 22:17 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | ND | | mg/kg | 0.37 | 1 | 08/21/09 15:20 | 08/21/09 22:17 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 8.1 | | mg/kg | 0.37 | 1 | 08/21/09 15:20 | 08/21/09 22:17 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 7.1 | | mg/kg | 1.9 | 1 | 08/21/09 15:20 | 08/21/09 22:17 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | ND | | mg/kg | 0.08 | 1 | 08/19/09 15:05 | 08/20/09 13:04 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 0.75 | 1 | 08/21/09 15:20 | 08/21/09 22:17 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 0.37 | 1 | 08/21/09 15:20 | 08/21/09 22:17 | EPA 3050B | 1,6010B | MG |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-06 Date Collected: 08/14/09 13:00

Client ID: SB-17 (3'-5') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 9.6 | | mg/kg | 0.43 | 1 | 08/21/09 15:20 | 08/21/09 22:24 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 41 | | mg/kg | 0.43 | 1 | 08/21/09 15:20 | 08/21/09 22:24 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | 0.44 | | mg/kg | 0.22 | 1 | 08/21/09 15:20 | 08/21/09 22:24 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | 0.50 | | mg/kg | 0.43 | 1 | 08/21/09 15:20 | 08/21/09 22:24 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 9.5 | | mg/kg | 0.43 | 1 | 08/21/09 15:20 | 08/21/09 22:24 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 100 | | mg/kg | 2.2 | 1 | 08/21/09 15:20 | 08/21/09 22:24 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | ND | | mg/kg | 0.09 | 1 | 08/19/09 15:05 | 08/20/09 13:13 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 0.87 | 1 | 08/21/09 15:20 | 08/21/09 22:24 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 0.43 | 1 | 08/21/09 15:20 | 08/21/09 22:24 | EPA 3050B | 1,6010B | MG |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-07 Date Collected: 08/14/09 13:30

Client ID: SB-17A (0'-3') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 95%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 6.4 | | mg/kg | 0.42 | 1 | 08/21/09 15:20 | 08/21/09 22:32 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 22 | | mg/kg | 0.42 | 1 | 08/21/09 15:20 | 08/21/09 22:32 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | 0.37 | | mg/kg | 0.21 | 1 | 08/21/09 15:20 | 08/21/09 22:32 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | 0.56 | | mg/kg | 0.42 | 1 | 08/21/09 15:20 | 08/21/09 22:32 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 9.2 | | mg/kg | 0.42 | 1 | 08/21/09 15:20 | 08/21/09 22:32 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 41 | | mg/kg | 2.1 | 1 | 08/21/09 15:20 | 08/21/09 22:32 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | ND | | mg/kg | 0.09 | 1 | 08/19/09 15:05 | 08/20/09 13:15 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 0.84 | 1 | 08/21/09 15:20 | 08/21/09 22:32 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 0.42 | 1 | 08/21/09 15:20 | 08/21/09 22:32 | EPA 3050B | 1,6010B | MG |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-08 Date Collected: 08/14/09 13:30

Client ID: SB-17A (3'-5') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 83%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 15 | | mg/kg | 0.49 | 1 | 08/21/09 15:20 | 08/21/09 22:46 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 66 | | mg/kg | 0.49 | 1 | 08/21/09 15:20 | 08/21/09 22:46 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | 0.48 | | mg/kg | 0.25 | 1 | 08/21/09 15:20 | 08/21/09 22:46 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | 1.4 | | mg/kg | 0.49 | 1 | 08/21/09 15:20 | 08/21/09 22:46 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 14 | | mg/kg | 0.49 | 1 | 08/21/09 15:20 | 08/21/09 22:46 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 120 | | mg/kg | 2.5 | 1 | 08/21/09 15:20 | 08/21/09 22:46 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | 0.73 | | mg/kg | 0.10 | 1 | 08/19/09 15:05 | 08/20/09 13:16 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 0.99 | 1 | 08/21/09 15:20 | 08/21/09 22:46 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 0.49 | 1 | 08/21/09 15:20 | 08/21/09 22:46 | EPA 3050B | 1,6010B | MG |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-09 Date Collected: 08/12/09 14:30

Client ID: SB-23 (0'-2') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 96%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 4.5 | | mg/kg | 0.43 | 1 | 08/21/09 15:20 | 08/21/09 22:54 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 23 | | mg/kg | 0.43 | 1 | 08/21/09 15:20 | 08/21/09 22:54 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | 0.38 | | mg/kg | 0.21 | 1 | 08/21/09 15:20 | 08/21/09 22:54 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | ND | | mg/kg | 0.43 | 1 | 08/21/09 15:20 | 08/21/09 22:54 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 6.8 | | mg/kg | 0.43 | 1 | 08/21/09 15:20 | 08/21/09 22:54 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 21 | | mg/kg | 2.1 | 1 | 08/21/09 15:20 | 08/21/09 22:54 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | ND | | mg/kg | 0.09 | 1 | 08/19/09 15:05 | 08/20/09 13:18 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 0.86 | 1 | 08/21/09 15:20 | 08/21/09 22:54 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 0.43 | 1 | 08/21/09 15:20 | 08/21/09 22:54 | EPA 3050B | 1,6010B | MG |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-11 Date Collected: 08/12/09 14:30

Client ID: SB-23 (4'-6') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 18 | | mg/kg | 2.1 | 5 | 08/21/09 15:20 | 08/24/09 18:29 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 98 | | mg/kg | 2.1 | 5 | 08/21/09 15:20 | 08/24/09 18:29 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | ND | | mg/kg | 1.0 | 5 | 08/21/09 15:20 | 08/24/09 18:29 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | ND | | mg/kg | 2.1 | 5 | 08/21/09 15:20 | 08/24/09 18:29 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 30 | | mg/kg | 2.1 | 5 | 08/21/09 15:20 | 08/24/09 18:29 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 300 | | mg/kg | 10 | 5 | 08/21/09 15:20 | 08/24/09 18:29 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | 0.29 | | mg/kg | 0.09 | 1 | 08/19/09 15:05 | 08/20/09 13:20 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 4.2 | 5 | 08/21/09 15:20 | 08/24/09 18:29 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 2.1 | 5 | 08/21/09 15:20 | 08/24/09 18:29 | EPA 3050B | 1,6010B | MG |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-12 Date Collected: 08/12/09 13:30

Client ID: SB-24 (0'-3') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 96%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 5.5 | | mg/kg | 0.42 | 1 | 08/21/09 15:20 | 08/21/09 23:25 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 23 | | mg/kg | 0.42 | 1 | 08/21/09 15:20 | 08/21/09 23:25 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | 0.45 | | mg/kg | 0.21 | 1 | 08/21/09 15:20 | 08/21/09 23:25 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | 0.66 | | mg/kg | 0.42 | 1 | 08/21/09 15:20 | 08/21/09 23:25 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 11 | | mg/kg | 0.42 | 1 | 08/21/09 15:20 | 08/21/09 23:25 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 31 | | mg/kg | 2.1 | 1 | 08/21/09 15:20 | 08/21/09 23:25 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | ND | | mg/kg | 0.09 | 1 | 08/19/09 15:05 | 08/20/09 13:22 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 0.84 | 1 | 08/21/09 15:20 | 08/21/09 23:25 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 0.42 | 1 | 08/21/09 15:20 | 08/21/09 23:25 | EPA 3050B | 1,6010B | MG |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-13 Date Collected: 08/12/09 13:30

Client ID: SB-24 (3'-6') Date Received: 08/18/09

Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | |
| Arsenic, Total | 15 | | mg/kg | 1.9 | 5 | 08/21/09 15:20 | 08/24/09 18:35 | EPA 3050B | 1,6010B | MG |
| Barium, Total | 71 | | mg/kg | 1.9 | 5 | 08/21/09 15:20 | 08/24/09 18:35 | EPA 3050B | 1,6010B | MG |
| Beryllium, Total | ND | | mg/kg | 0.97 | 5 | 08/21/09 15:20 | 08/24/09 18:35 | EPA 3050B | 1,6010B | MG |
| Cadmium, Total | ND | | mg/kg | 1.9 | 5 | 08/21/09 15:20 | 08/24/09 18:35 | EPA 3050B | 1,6010B | MG |
| Chromium, Total | 17 | | mg/kg | 1.9 | 5 | 08/21/09 15:20 | 08/24/09 18:35 | EPA 3050B | 1,6010B | MG |
| Lead, Total | 210 | | mg/kg | 9.7 | 5 | 08/21/09 15:20 | 08/24/09 18:35 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | 0.18 | | mg/kg | 0.09 | 1 | 08/19/09 15:05 | 08/20/09 13:24 | EPA 7471A | 1,7471A | EZ |
| Selenium, Total | ND | | mg/kg | 3.9 | 5 | 08/21/09 15:20 | 08/24/09 18:35 | EPA 3050B | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 1.9 | 5 | 08/21/09 15:20 | 08/24/09 18:35 | EPA 3050B | 1,6010B | MG |

**Project Name:** INDIA ST. **Lab Number:** L0911480

**Project Number:** 222610.01 **Report Date:** 08/26/09

# Method Blank Analysis
# Batch Quality Control

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 01-09,11-13 Batch: WG376175-1 | | | | | | | | | |
| Mercury, Total | ND | | mg/kg | 0.08 | 1 | 08/19/09 15:05 | 08/20/09 12:35 | 1,7471A | EZ |

**Prep Information**

Digestion Method: EPA 7471A

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 01-09,11-13 Batch: WG376587-1 | | | | | | | | | |
| Arsenic, Total | ND | | mg/kg | 0.40 | 1 | 08/21/09 15:20 | 08/21/09 20:44 | 1,6010B | MG |
| Barium, Total | ND | | mg/kg | 0.40 | 1 | 08/21/09 15:20 | 08/21/09 20:44 | 1,6010B | MG |
| Beryllium, Total | ND | | mg/kg | 0.20 | 1 | 08/21/09 15:20 | 08/21/09 20:44 | 1,6010B | MG |
| Cadmium, Total | ND | | mg/kg | 0.40 | 1 | 08/21/09 15:20 | 08/21/09 20:44 | 1,6010B | MG |
| Chromium, Total | ND | | mg/kg | 0.40 | 1 | 08/21/09 15:20 | 08/21/09 20:44 | 1,6010B | MG |
| Lead, Total | ND | | mg/kg | 2.0 | 1 | 08/21/09 15:20 | 08/21/09 20:44 | 1,6010B | MG |
| Selenium, Total | ND | | mg/kg | 0.80 | 1 | 08/21/09 15:20 | 08/21/09 20:44 | 1,6010B | MG |
| Silver, Total | ND | | mg/kg | 0.40 | 1 | 08/21/09 15:20 | 08/21/09 20:44 | 1,6010B | MG |

**Prep Information**

Digestion Method: EPA 3050B

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDIA ST.

**Project Number:** 222610.01

**Lab Number:** L0911480

**Report Date:** 08/26/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-09,11-13 Batch: WG376175-2 | | | | | |
| Mercury, Total | 102 | - | 80-120 | - | |
| Total Metals - Westborough Lab Associated sample(s): 01-09,11-13 Batch: WG376587-2 | | | | | |
| Arsenic, Total | 100 | - | 75-125 | - | |
| Barium, Total | 103 | - | 75-125 | - | |
| Beryllium, Total | 104 | - | 75-125 | - | |
| Cadmium, Total | 107 | - | 75-125 | - | |
| Chromium, Total | 105 | - | 75-125 | - | |
| Lead, Total | 102 | - | 75-125 | - | |
| Selenium, Total | 98 | - | 75-125 | - | |
| Silver, Total | 100 | - | 75-125 | - | |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-09,11-13 QC Batch ID: WG376175-4 QC Sample: L0911480-05 Client ID: SB-17 (0'-3') | | | | | | | | | |
| Mercury, Total | ND | 0.173 | 0.20 | 115 | - | - | 70-130 | - | 35 |
| Total Metals - Westborough Lab Associated sample(s): 01-09,11-13 QC Batch ID: WG376587-4 QC Sample: L0911480-01 Client ID: SB-16 (0'-3') | | | | | | | | | |
| Arsenic, Total | 4.5 | 4.81 | 9.1 | 96 | - | - | 75-125 | - | 35 |
| Barium, Total | 130 | 80.1 | 210 | 100 | - | - | 75-125 | - | 35 |
| Beryllium, Total | 0.30 | 2 | 2.4 | 105 | - | - | 75-125 | - | 35 |
| Cadmium, Total | 0.44 | 2.04 | 2.5 | 101 | - | - | 75-125 | - | 35 |
| Chromium, Total | 6.4 | 8.01 | 15 | 107 | - | - | 75-125 | - | 35 |
| Lead, Total | 790 | 20.4 | 810 | 98 | - | - | 75-125 | - | 35 |
| Selenium, Total | ND | 4.81 | 4.8 | 100 | - | - | 75-125 | - | 35 |
| Silver, Total | ND | 12 | 13 | 108 | - | - | 75-125 | - | 35 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-09,11-13 QC Batch ID: WG376175-3 QC Sample: L0911480-05 Client ID: SB-17 (0'-3') | | | | | |
| Mercury, Total | ND | ND | mg/kg | NC | 35 |
| Total Metals - Westborough Lab Associated sample(s): 01-09,11-13 QC Batch ID: WG376587-3 QC Sample: L0911480-01 Client ID: SB-16 (0'-3') | | | | | |
| Arsenic, Total | 4.5 | 4.4 | mg/kg | 2 | 35 |
| Barium, Total | 130 | 130 | mg/kg | 0 | 35 |
| Beryllium, Total | 0.30 | 0.30 | mg/kg | 0 | 35 |
| Cadmium, Total | 0.44 | 0.50 | mg/kg | 13 | 35 |
| Chromium, Total | 6.4 | 6.7 | mg/kg | 5 | 35 |
| Lead, Total | 790 | 830 | mg/kg | 5 | 35 |
| Selenium, Total | ND | ND | mg/kg | NC | 35 |
| Silver, Total | ND | ND | mg/kg | NC | 35 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-01
Client ID: SB-16 (0'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/12/09 12:00
Date Received: 08/18/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 08/20/09 16:00 | 30,2540G | TL |

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-02
Client ID: SB-16 (3'-6')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/12/09 12:00
Date Received: 08/18/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 08/20/09 16:00 | 30,2540G | TL |

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-03
Client ID: SB-16A (0'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/12/09 13:00
Date Received: 08/18/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 08/20/09 16:00 | 30,2540G | TL |

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-04
Client ID: SB-16A (2'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/12/09 13:00
Date Received: 08/18/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 08/20/09 16:00 | 30,2540G | TL |

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-05
Client ID: SB-17 (0'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/14/09 13:00
Date Received: 08/18/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | 1 | - | 08/20/09 16:00 | 30,2540G | TL |

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-06
Client ID: SB-17 (3'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/14/09 13:00
Date Received: 08/18/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 08/21/09 12:08 | 30,2540G | PT |

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-07
Client ID: SB-17A (0'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/14/09 13:30
Date Received: 08/18/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | 1 | - | 08/20/09 16:00 | 30,2540G | TL |

**Project Name:** INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-08
Client ID: SB-17A (3'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil
Date Collected: 08/14/09 13:30
Date Received: 08/18/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | 1 | - | 08/21/09 12:08 | 30,2540G | PT |

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-09
Client ID: SB-23 (0'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/12/09 14:30
Date Received: 08/18/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | 1 | - | 08/20/09 16:00 | 30,2540G | TL |

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-11
Client ID: SB-23 (4'-6')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/12/09 14:30
Date Received: 08/18/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | 1 | - | 08/20/09 16:00 | 30,2540G | TL |

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-12
Client ID: SB-24 (0'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/12/09 13:30
Date Received: 08/18/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | 1 | - | 08/20/09 16:00 | 30,2540G | TL |

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

## SAMPLE RESULTS

Lab ID: L0911480-13
Client ID: SB-24 (3'-6')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 08/12/09 13:30
Date Received: 08/18/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 08/20/09 16:00 | 30,2540G | TL |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-05,07,09,11-13 QC Batch ID: WG376351-1 QC Sample: L0910542-56 Client ID: DUP Sample | | | | | |
| Solids, Total | 78 | 79 | % | 1 | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 06,08 QC Batch ID: WG376481-1 QC Sample: L0911477-13 Client ID: DUP Sample | | | | | |
| Solids, Total | 94 | 94 | % | 0 | 20 |

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |

### Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0911480-01A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180) |
| L0911480-01B | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7) |
| L0911480-02A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180) |
| L0911480-02B | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | 8270TCL(14),PCB-8082(14),PEST-8081(14),TPH-DRO-D(14) |
| L0911480-03A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180) |
| L0911480-03B | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7) |
| L0911480-04A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180) |
| L0911480-04B | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | 8270TCL(14),PCB-8082(14),PEST-8081(14),TPH-DRO-D(14) |
| L0911480-05A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180) |
| L0911480-06A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | 8270TCL(14),BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PCB-8082(14),TS(7),PB-TI(180),SE-TI(180),PEST-8081(14),HG-T(28),TPH-DRO-D(14),CD-TI(180) |
| L0911480-07A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180) |
| L0911480-08A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | 8270TCL(14),BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PCB-8082(14),TS(7),PB-TI(180),SE-TI(180),PEST-8081(14),HG-T(28),TPH-DRO-D(14),CD-TI(180) |
| L0911480-09A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180) |
| L0911480-09B | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7) |
| L0911480-10A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | HOLD(14) |

*Hold days indicated by values in parentheses

**Project Name:** INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0911480
**Report Date:** 08/26/09

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0911480-11A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180) |
| L0911480-11B | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | 8270TCL(14),PCB-8082(14),PEST-8081(14),TPH-DRO-D(14) |
| L0911480-12A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180) |
| L0911480-12B | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7) |
| L0911480-13A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180) |
| L0911480-13B | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | 8270TCL(14),PCB-8082(14),PEST-8081(14),TPH-DRO-D(14) |

*Hold days indicated by values in parentheses

| | | | |
|---|---|---|---|
| **Project Name:** | INDIA ST. | **Lab Number:** | L0911480 |
| **Project Number:** | 222610.01 | **Report Date:** | 08/26/09 |

## GLOSSARY

***Acronyms***

EPA · Environmental Protection Agency.

LCS · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD · Laboratory Control Sample Duplicate: Refer to LCS.

MS · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD · Matrix Spike Sample Duplicate: Refer to MS.

NA · Not Applicable.

NC · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

ND · Not detected at the reported detection limit for the sample.

NI · Not Ignitable.

RDL · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | INDIA ST. | **Lab Number:** | L0911480 |
| **Project Number:** | 222610.01 | **Report Date:** | 08/26/09 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised August 25, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil
*Drinking Water*
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 625, 608, 8081A, 8082, 8151A, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Utah Department of Health** Certificate/Lab ID: AAMA. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: Chloride EPA 300.0)

# CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 8/18/09

ALPHA Job #: L0911480

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

08260917:23

**Client Information**

Client: Woodard & Curran
Address: 95 Cedar St Suite 100
Providence, RI 02903
Phone: 401.273 1007
Fax: 401 273 5087
Email: grose@woodardcurran.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: India St
Project Location: Providence RI
Project #:
Project Manager: Peter Nangeroni
ALPHA Quote #:

**Turn-Around Time**

☑ Standard 5 day ☐ RUSH (only confirmed if pre-approved!)
Date Due: 8/25/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RI Criteria Residential Direct Exposure

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

**SAMPLE HANDLING**
Filtration
☐ Done
☑ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | RCRA 8 & Be | SPLP RCRA 8* (Please Hold, Don't Analyze until Intr) | TPH | SVOCs | Pests | PCBs | RCRA 8 (HOLD) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11480.1 | SB-16 (0'-3') | 8/12/09 | 1200 | S | GR | X | X | | | | | | | 2 |
| 2 | SB-16 (3'-6') | | | | | X | | X | X | X | X | | | 2 |
| 3 | SB-16A (0'-2') | | 1300 | | | X | X | | | | | | | 2 |
| 4 | SB-16A (2'-5') | | | | | X | | X | X | X | X | | | 2 |
| 5 | SB-17 (0'-3') | 8/14/09 | 1300 | | | X | X | | | | | | Already have 1 bottle the SPLP sample | 1 |
| 6 | SB-17 (3'-5') | | | | | X | | X | X | X | X | | you already have pests/PCB bottle | 1 |
| 7 | SB-17A (0'-3') | | 1330 | | | X | X | | | | | | you already have SPLP bottle | 1 |
| 8 | SB-17A (3'-5') | | | | | X | | X | X | X | X | | you already have pests/PCB bottle | 1 |
| 9 | SB-23 (0'-2') | 8/12/09 | 1430 | | | X | X | | | | | | | 2 |
| 10 | SB-23 (2'-4') | | | | | | | | | | | X | | 1 |

Container Type A →
Preservative A →

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Ryan Smith | | Paul Gilbert | 8/18/09 11:30 |
| Paul Gilbert | 8/18/09 1630 | [illegible] | 8/18/09 1630 |
| [illegible] | 8/18/09 1824 | [illegible] | 8/18/09 1824 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 8/18/09

ALPHA Job #: L0911480


ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288


0826091723

## Client Information

Client:

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name:

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 8/25/09 Time:

## Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program | Criteria

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: RCRA 8 + Be | TPH | SVOCs | Pests | PCBs | SPLP RCRA 8* | *(Please Hold)

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | RCRA 8 + Be | TPH | SVOCs | Pests | PCBs | SPLP RCRA 8* | *(Please Hold) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | SB-23(4'-6') | 8/12/09 | 1430 | S | GR | X | X | X | X | X | | | | 2 |
| 12 | SB-24(0'-3') | | 1330 | | | X | | | | | X | | | 2 |
| 13 | SB-24(3'-6') | | | | | X | X | X | X | X | | | | 2 |

Container Type: A

Preservative: A

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Lynn Smith | | Paul Gilbert | 8/18/09 1130 |
| Paul Gilbert | 8/18/09 1630 | | 8/18/09 1630 |
| | 8/18/09 1824 | | 8/24/09 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L0912669 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Project Name: | 1 INDIA ST |
| Project Number: | 0222610.01 |
| Report Date: | 09/15/09 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0912669
**Report Date:** 09/15/09

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0912669-01 | SB-26 (0'-2') | 1 INDIA ST | 09/11/09 09:00 |
| L0912669-02 | SB-27 (0'-2') | 1 INDIA ST | 09/11/09 09:05 |
| L0912669-03 | SB-28 (0'-2') | 1 INDIA ST | 09/11/09 09:10 |
| L0912669-04 | SB-29 (0'-2') | 1 INDIA ST | 09/11/09 09:15 |
| L0912669-05 | SB-30 (0'-2') | 1 INDIA ST | 09/11/09 09:20 |
| L0912669-06 | SB-31 (0'-2') | 1 INDIA ST | 09/11/09 09:25 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST | **Lab Number:** | L0912669 |
| **Project Number:** | 0222610.01 | **Report Date:** | 09/15/09 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB by GC

L0912669-01 through -04 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L0912669-01 through -04 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons

Title: Technical Director/Representative Date: 09/15/09

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0912669
**Report Date:** 09/15/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0912669-01 | Date Collected: | 09/11/09 09:00 |
| Client ID: | SB-26 (0'-2') | Date Received: | 09/11/09 |
| Sample Location: | 1 INDIA ST | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 09/12/09 01:30 |
| Analytical Date: | 09/15/09 11:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 09/14/09 |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 30200 | | ug/kg | 3740 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | | 30-150 | A |
| Decachlorobiphenyl | **0** | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | | 30-150 | B |
| Decachlorobiphenyl | **0** | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0912669
**Report Date:** 09/15/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0912669-01 | Date Collected: | 09/11/09 09:00 |
| Client ID: | SB-26 (0'-2') | Date Received: | 09/11/09 |
| Sample Location: | 1 INDIA ST | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 09/12/09 01:30 |
| Analytical Date: | 09/15/09 11:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 09/14/09 |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3740 | 100 |
| Aroclor 1221 | ND | | ug/kg | 3740 | 100 |
| Aroclor 1232 | ND | | ug/kg | 3740 | 100 |
| Aroclor 1242 | ND | | ug/kg | 3740 | 100 |
| Aroclor 1254 | ND | | ug/kg | 3740 | 100 |
| Aroclor 1260 | ND | | ug/kg | 3740 | 100 |
| Aroclor 1262 | ND | | ug/kg | 3740 | 100 |
| Aroclor 1268 | ND | | ug/kg | 3740 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | | 30-150 | A |
| Decachlorobiphenyl | **0** | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | | 30-150 | B |
| Decachlorobiphenyl | **0** | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0912669
**Report Date:** 09/15/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0912669-02 | Date Collected: | 09/11/09 09:05 |
| Client ID: | SB-27 (0'-2') | Date Received: | 09/11/09 |
| Sample Location: | 1 INDIA ST | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 09/12/09 01:30 |
| Analytical Date: | 09/15/09 13:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 09/14/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1920000 | 50000 |
| Aroclor 1221 | ND | | ug/kg | 1920000 | 50000 |
| Aroclor 1232 | ND | | ug/kg | 1920000 | 50000 |
| Aroclor 1242 | ND | | ug/kg | 1920000 | 50000 |
| Aroclor 1248 | 7430000 | | ug/kg | 1920000 | 50000 |
| Aroclor 1254 | ND | | ug/kg | 1920000 | 50000 |
| Aroclor 1260 | ND | | ug/kg | 1920000 | 50000 |
| Aroclor 1262 | ND | | ug/kg | 1920000 | 50000 |
| Aroclor 1268 | ND | | ug/kg | 1920000 | 50000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | | 30-150 | A |
| Decachlorobiphenyl | **0** | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | | 30-150 | B |
| Decachlorobiphenyl | **0** | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0912669
**Report Date:** 09/15/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0912669-03 | Date Collected: | 09/11/09 09:10 |
| Client ID: | SB-28 (0'-2') | Date Received: | 09/11/09 |
| Sample Location: | 1 INDIA ST | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 09/12/09 01:30 |
| Analytical Date: | 09/15/09 12:21 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 09/14/09 |
| Percent Solids: | 90% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 741 | 20 |
| Aroclor 1221 | ND | | ug/kg | 741 | 20 |
| Aroclor 1232 | ND | | ug/kg | 741 | 20 |
| Aroclor 1242 | ND | | ug/kg | 741 | 20 |
| Aroclor 1248 | 5070 | | ug/kg | 741 | 20 |
| Aroclor 1254 | ND | | ug/kg | 741 | 20 |
| Aroclor 1260 | ND | | ug/kg | 741 | 20 |
| Aroclor 1262 | ND | | ug/kg | 741 | 20 |
| Aroclor 1268 | ND | | ug/kg | 741 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | | 30-150 | A |
| Decachlorobiphenyl | **0** | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | | 30-150 | B |
| Decachlorobiphenyl | **0** | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0912669
**Report Date:** 09/15/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0912669-04 | Date Collected: | 09/11/09 09:15 |
| Client ID: | SB-29 (0'-2') | Date Received: | 09/11/09 |
| Sample Location: | 1 INDIA ST | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 09/12/09 01:30 |
| Analytical Date: | 09/15/09 13:43 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 09/14/09 |
| Percent Solids: | 92% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36200 | 1000 |
| Aroclor 1221 | ND | | ug/kg | 36200 | 1000 |
| Aroclor 1232 | ND | | ug/kg | 36200 | 1000 |
| Aroclor 1242 | ND | | ug/kg | 36200 | 1000 |
| Aroclor 1248 | 84400 | | ug/kg | 36200 | 1000 |
| Aroclor 1254 | ND | | ug/kg | 36200 | 1000 |
| Aroclor 1260 | ND | | ug/kg | 36200 | 1000 |
| Aroclor 1262 | ND | | ug/kg | 36200 | 1000 |
| Aroclor 1268 | ND | | ug/kg | 36200 | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | | 30-150 | A |
| Decachlorobiphenyl | **0** | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | | 30-150 | B |
| Decachlorobiphenyl | **0** | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0912669
**Report Date:** 09/15/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 09/14/09 11:04
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/12/09 01:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/14/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-04 Batch: WG379433-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 |
| Aroclor 1221 | ND | | ug/kg | 33.3 |
| Aroclor 1232 | ND | | ug/kg | 33.3 |
| Aroclor 1242 | ND | | ug/kg | 33.3 |
| Aroclor 1248 | ND | | ug/kg | 33.3 |
| Aroclor 1254 | ND | | ug/kg | 33.3 |
| Aroclor 1260 | ND | | ug/kg | 33.3 |
| Aroclor 1262 | ND | | ug/kg | 33.3 |
| Aroclor 1268 | ND | | ug/kg | 33.3 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | A |
| Decachlorobiphenyl | 73 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | B |
| Decachlorobiphenyl | 70 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST

**Project Number:** 0222610.01

**Lab Number:** L0912669

**Report Date:** 09/15/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG379433-2 WG379433-3 | | | | | |
| Aroclor 1016 | 73 | 70 | 40-140 | 4 | 50 |
| Aroclor 1260 | 67 | 70 | 40-140 | 4 | 50 |

| Surrogate | LCS %Recovery | Qualifier | LCSD %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 64 | | 30-150 | A |
| Decachlorobiphenyl | 76 | | 81 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 67 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 72 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0912669
**Report Date:** 09/15/09

## SAMPLE RESULTS

Lab ID: L0912669-01
Client ID: SB-26 (0'-2')
Sample Location: 1 INDIA ST
Matrix: Soil

Date Collected: 09/11/09 09:00
Date Received: 09/11/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | 1 | - | 09/14/09 13:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0912669
**Report Date:** 09/15/09

## SAMPLE RESULTS

Lab ID: L0912669-02
Client ID: SB-27 (0'-2')
Sample Location: 1 INDIA ST
Matrix: Soil

Date Collected: 09/11/09 09:05
Date Received: 09/11/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 09/14/09 13:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0912669
**Report Date:** 09/15/09

## SAMPLE RESULTS

Lab ID: L0912669-03
Client ID: SB-28 (0'-2')
Sample Location: 1 INDIA ST
Matrix: Soil

Date Collected: 09/11/09 09:10
Date Received: 09/11/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 09/14/09 13:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0912669
**Report Date:** 09/15/09

## SAMPLE RESULTS

Lab ID: L0912669-04
Client ID: SB-29 (0'-2')
Sample Location: 1 INDIA ST
Matrix: Soil

Date Collected: 09/11/09 09:15
Date Received: 09/11/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 09/14/09 13:20 | 30,2540G | TL |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0912669
**Report Date:** 09/15/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG379601-1 QC Sample: L0912726-06 Client ID: DUP Sample | | | | | |
| Solids, Total | 87 | 88 | % | 1 | 20 |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0912669
**Report Date:** 09/15/09

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |

### Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0912669-01A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0912669-02A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0912669-03A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0912669-04A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0912669-05A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | HOLD(14) |
| L0912669-06A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | HOLD(14) |

*Hold days indicated by values in parentheses

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST | **Lab Number:** | L0912669 |
| **Project Number:** | 0222610.01 | **Report Date:** | 09/15/09 |

## GLOSSARY

***Acronyms***

| | |
|---|---|
| EPA | · Environmental Protection Agency. |
| LCS | · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | · Laboratory Control Sample Duplicate: Refer to LCS. |
| MS | · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | · Matrix Spike Sample Duplicate: Refer to MS. |
| NA | · Not Applicable. |
| NC | · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| ND | · Not detected at the reported detection limit for the sample. |
| NI | · Not Ignitable. |
| RDL | · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.) |
| **R** | - Analytical results are from sample re-analysis. |
| **RE** | - Analytical results are from sample re-extraction. |
| **J** | - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs). |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST | **Lab Number:** | L0912669 |
| **Project Number:** | 0222610.01 | **Report Date:** | 09/15/09 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised August 27, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil
*Drinking Water*
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D;
ENZ. SUB. SM9223;

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 625, 608, 8081A, 8082, 8151A, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Utah Department of Health** Certificate/Lab ID: AAMA. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: Chloride EPA 300.0)

## Non-NELAC Approved Analytes

The following analytes are considered non-NELAC certifiable parameters: 8260B: Freon-113, Diisopropyl Ether, 8330A: PETN; Picric Acid; Nitroglycerine; 2,6-DANT; 2,4-DANT)

09150914:35

# CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/11/09

ALPHA Job #: L0912669


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


## Client Information

Client: Woodard & Curran
Address: 95 Cedar St Suite 100
Phone: 401.273.1007
Fax: 401.273.5087
Email: grose@hotmail.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 India St
Project Location: 1 India St
Project #: 0222610.01
Project Manager:
ALPHA Quote #:

## Turn-Around Time

☐ Standard ☑ RUSH (only confirmed if pre-approved!) (2 day)

Date Due: 9/15/09 Time:

## Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☑ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program: RI
Criteria: RI - Direct Exposure Residential

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PR

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
Please meet RIDEM Residential, & Hold analysis of SB-30 & SB-31 until future instruction.

ANALYSIS: PCBs

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 12669.1 | SB-26 (0'-2') | 9/11/09 | 900 | Soil | GR | X | |
| 2 | SB-27 (0'-2') | | 905 | | | X | |
| 3 | SB-28 (0'-2') | | 910 | | | X | |
| 4 | SB-29 (0'-2') | | 915 | | | X | |
| 5 | SB-30 (0'-2') | | 920 | | | X | Please Hold |
| 6 | SB-31 (0'-2') | | 925 | | | X | Please Hold |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type: G
Preservative: A

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 9/11/09 1310 | [signature] | 9/11/09 1310 |
| [signature] | 9/11/09 1355 | [signature] | 9/11/09 1355 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L0913042 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Project Name: | 1 INDIA ST. |
| Project Number: | 0222610.01 |
| Report Date: | 09/24/09 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913042
**Report Date:** 09/24/09

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0913042-01 | SB-30 (0'-2') | 1 INDIA ST. | 09/11/09 09:20 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0913042 |
| **Project Number:** | 0222610.01 | **Report Date:** | 09/24/09 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L0913042-01 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The surrogate recoveries for L0913042-01 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilution required to quantitate the sample. Re-extraction is not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons

Title: Technical Director/Representative Date: 09/24/09

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST. **Lab Number:** L0913042

**Project Number:** 0222610.01 **Report Date:** 09/24/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913042-01 | Date Collected: | 09/11/09 09:20 |
| Client ID: | SB-30 (0'-2') | Date Received: | 09/11/09 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 09/18/09 14:53 |
| Analytical Date: | 09/24/09 17:36 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 09/23/09 |
| Percent Solids: | 88% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3770 | 100 |
| Aroclor 1221 | ND | | ug/kg | 3770 | 100 |
| Aroclor 1232 | ND | | ug/kg | 3770 | 100 |
| Aroclor 1242 | ND | | ug/kg | 3770 | 100 |
| Aroclor 1248 | 17300 | | ug/kg | 3770 | 100 |
| Aroclor 1254 | ND | | ug/kg | 3770 | 100 |
| Aroclor 1260 | ND | | ug/kg | 3770 | 100 |
| Aroclor 1262 | ND | | ug/kg | 3770 | 100 |
| Aroclor 1268 | ND | | ug/kg | 3770 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | | 30-150 | A |
| Decachlorobiphenyl | **0** | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | | 30-150 | B |
| Decachlorobiphenyl | **0** | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913042
**Report Date:** 09/24/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 09/22/09 23:49
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/18/09 14:53
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/19/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01 Batch: WG380397-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.9 |
| Aroclor 1221 | ND | | ug/kg | 32.9 |
| Aroclor 1232 | ND | | ug/kg | 32.9 |
| Aroclor 1242 | ND | | ug/kg | 32.9 |
| Aroclor 1248 | ND | | ug/kg | 32.9 |
| Aroclor 1254 | ND | | ug/kg | 32.9 |
| Aroclor 1260 | ND | | ug/kg | 32.9 |
| Aroclor 1262 | ND | | ug/kg | 32.9 |
| Aroclor 1268 | ND | | ug/kg | 32.9 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | A |
| Decachlorobiphenyl | 64 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | B |
| Decachlorobiphenyl | 57 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.

**Project Number:** 0222610.01

**Lab Number:** L0913042

**Report Date:** 09/24/09

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01 Batch: WG380397-2 | | | | | |
| Aroclor 1016 | 70 | - | 40-140 | - | 50 |
| Aroclor 1260 | 70 | - | 40-140 | - | 50 |

| Surrogate | LCS %Recovery | Qualifier | LCSD %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | | | 30-150 | A |
| Decachlorobiphenyl | 79 | | | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | | | 30-150 | B |
| Decachlorobiphenyl | 77 | | | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913042
**Report Date:** 09/24/09

## SAMPLE RESULTS

Lab ID: L0913042-01
Client ID: SB-30 (0'-2')
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/11/09 09:20
Date Received: 09/11/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 09/21/09 19:50 | 30,2540G | NM |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913042
**Report Date:** 09/24/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG380683-1 QC Sample: L0913202-01 Client ID: DUP Sample | | | | | |
| Solids, Total | 91 | 91 | % | 0 | 20 |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913042
**Report Date:** 09/24/09

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Cooler Information**

| Cooler | Custody Seal |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0913042-01A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |

*Hold days indicated by values in parentheses

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0913042 |
| **Project Number:** | 0222610.01 | **Report Date:** | 09/24/09 |

## GLOSSARY

***Acronyms***

| | |
|---|---|
| EPA | · Environmental Protection Agency. |
| LCS | · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | · Laboratory Control Sample Duplicate: Refer to LCS. |
| MS | · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | · Matrix Spike Sample Duplicate: Refer to MS. |
| NA | · Not Applicable. |
| NC | · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| ND | · Not detected at the reported detection limit for the sample. |
| NI | · Not Ignitable. |
| RDL | · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.) |
| **R** | - Analytical results are from sample re-analysis. |
| **RE** | - Analytical results are from sample re-extraction. |
| **J** | - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs). |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0913042 |
| **Project Number:** | 0222610.01 | **Report Date:** | 09/24/09 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised September 22, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 625, 608, 8081A, 8082, 8151A, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Utah Department of Health** Certificate/Lab ID: AAMA. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: Chloride EPA 300.0)

**Non-NELAC Approved Analytes**
The following analytes are considered non-NELAC certifiable parameters for the listed method: **EPA 8260B:** Freon-113. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

# CHAIN OF CUSTODY

PAGE _____ OF _____


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


09240910:05

**Date Rec'd in Lab:** 9/11/09

**ALPHA Job #:** L0913042

## Client Information

Client: Woodard + Curran RI

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 India St.

Project Location: 1 India St.

Project #: 022610.01

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/09 Time:

## Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

| State /Fed Program | Criteria |
|---|---|
| RI | DEC Res |

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Relog of L0912669-05

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB | SAMPLE HANDLING | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 13042.1 | SB-30 (0'-2') | 9/11/09 | 0920 | Soil | | X | | |

SAMPLE HANDLING: Filtration ☐ Done ☐ Not needed ☐ Lab to do; Preservation ☐ Lab to do (Please specify below)

Sample Specific Comments

Container Type

Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | | | 9/7/09 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

09240919:05

# CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/11/09

ALPHA Job #: L0912669

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: Woodard & Curran
Address: 95 Cedar St Suite 100
Phone: 401 273 1007
Fax: 401 273 5087
Email: grose@hotmail.com
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St
Project Location: 1 India St
Project #: 022610.01
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☑ RUSH (only confirmed if pre-approved!) (2 day)
Date Due: 9/15/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program: RI
Criteria: RI - Direct Exposure Residential

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PR

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
Please meet RIDEM Residential, & Hold analysis of SB-30 & SB-31 until future instruction.

ANALYSIS: PCBs

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 12669.1 | SB-26 (0'-2') | 9/11/09 | 900 | Soil | GR | X | |
| 2 | SB-27 (0'-2') | | 905 | | | X | |
| 3 | SB-28 (0'-2') | | 910 | | | X | |
| 4 | SB-29 (0'-2') | | 915 | | | X | |
| 5 | SB-30 (0'-2') | | 920 | | | X | Please Hold |
| 6 | SB-31 (0'-2') | | 925 | | | X | Please Hold |

Container Type: G
Preservative: A

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 9/11/09 1340 | [signature] | 9/11/09 1340 |
| [signature] | 9/11/09 1355 | | 9/11/09 1355 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L0913917 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Project Name: | 1 INDIA ST |
| Project Number: | 0222610.01 |
| Report Date: | 10/09/09 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0913917-01 | SB-21A (0'-1') | PROVIDENCE, RI | 10/01/09 11:00 |
| L0913917-02 | SB-21A (1'-2') | PROVIDENCE, RI | 10/01/09 11:00 |
| L0913917-03 | SB-21A (2'-3') | PROVIDENCE, RI | 10/01/09 11:00 |
| L0913917-04 | SB-21A (3'-4') | PROVIDENCE, RI | 10/01/09 11:00 |
| L0913917-05 | SB-26A (0'-1') | PROVIDENCE, RI | 10/01/09 11:15 |
| L0913917-06 | SB-26A (1'-2') | PROVIDENCE, RI | 10/01/09 11:15 |
| L0913917-07 | SB-26A (2'-3') | PROVIDENCE, RI | 10/01/09 11:15 |
| L0913917-08 | SB-26A (3'-4') | PROVIDENCE, RI | 10/01/09 11:15 |
| L0913917-09 | SB-27A (0'-1') | PROVIDENCE, RI | 10/01/09 09:15 |
| L0913917-10 | SB-27A (1'-2') | PROVIDENCE, RI | 10/01/09 09:15 |
| L0913917-11 | SB-27A (2'-3') | PROVIDENCE, RI | 10/01/09 09:15 |
| L0913917-12 | SB-27A (3'-4') | PROVIDENCE, RI | 10/01/09 09:15 |
| L0913917-13 | SB-27A (4'-5') | PROVIDENCE, RI | 10/01/09 09:15 |
| L0913917-14 | SB-27A (5'-6') | PROVIDENCE, RI | 10/01/09 09:15 |
| L0913917-15 | SB-28A (0'-1') | PROVIDENCE, RI | 10/01/09 10:45 |
| L0913917-16 | SB-28A (1'-2') | PROVIDENCE, RI | 10/01/09 10:45 |
| L0913917-17 | SB-28A (2'-3') | PROVIDENCE, RI | 10/01/09 10:45 |
| L0913917-18 | SB-28A (3'-4') | PROVIDENCE, RI | 10/01/09 10:45 |
| L0913917-19 | SB-29A (0'-1') | PROVIDENCE, RI | 10/01/09 12:15 |
| L0913917-20 | SB-29A (1'-2') | PROVIDENCE, RI | 10/01/09 12:15 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST | **Lab Number:** | L0913917 |
| **Project Number:** | 0222610.01 | **Report Date:** | 10/09/09 |

**Case Narrative**

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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PCBs

L0913917-01, -02, -05, -06, -09 through -14 and -16 through -20 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L0913917-15 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the elevated concentrations of target compounds in the sample.

The surrogate recoveries for L0913917-01, -02, -05, -06, -09 through -13 and -15 through -20 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (All at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original

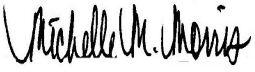
| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST | **Lab Number:** | L0913917 |
| **Project Number:** | 0222610.01 | **Report Date:** | 10/09/09 |

**Case Narrative (continued)**

analysis are reported.

The surrogate recovery for L0913917-14 is outside the individual acceptance criteria for Decachlorobiphenyl (645%), but within the overall method allowances. The results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: 

Title: Technical Director/Representative Date: 10/09/09

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-01 | Date Collected: | 10/01/09 11:00 |
| Client ID: | SB-21A (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/08/09 18:43 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 88% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 19800 | 500 |
| Aroclor 1221 | ND | | ug/kg | 19800 | 500 |
| Aroclor 1232 | ND | | ug/kg | 19800 | 500 |
| Aroclor 1242 | ND | | ug/kg | 19800 | 500 |
| Aroclor 1248 | 267000 | | ug/kg | 19800 | 500 |
| Aroclor 1260 | ND | | ug/kg | 19800 | 500 |
| Aroclor 1262 | ND | | ug/kg | 19800 | 500 |
| Aroclor 1268 | ND | | ug/kg | 19800 | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-01 | Date Collected: | 10/01/09 11:00 |
| Client ID: | SB-21A (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/08/09 18:43 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 88% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1254 | 151000 | | ug/kg | 19800 | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-02 | Date Collected: | 10/01/09 11:00 |
| Client ID: | SB-21A (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/06/09 17:33 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 87% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1900 | 50 |
| Aroclor 1221 | ND | | ug/kg | 1900 | 50 |
| Aroclor 1232 | ND | | ug/kg | 1900 | 50 |
| Aroclor 1242 | ND | | ug/kg | 1900 | 50 |
| Aroclor 1248 | 22800 | | ug/kg | 1900 | 50 |
| Aroclor 1254 | 13300 | | ug/kg | 1900 | 50 |
| Aroclor 1260 | ND | | ug/kg | 1900 | 50 |
| Aroclor 1262 | ND | | ug/kg | 1900 | 50 |
| Aroclor 1268 | ND | | ug/kg | 1900 | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-03 | Date Collected: | 10/01/09 11:00 |
| Client ID: | SB-21A (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/05/09 18:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 90% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1254 | 162 | | ug/kg | 35.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 110 | | 30-150 | A |
| Decachlorobiphenyl | 109 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 96 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-03 | Date Collected: | 10/01/09 11:00 |
| Client ID: | SB-21A (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/05/09 18:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 90% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1248 | 335 | | ug/kg | 35.0 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 110 | | 30-150 | A |
| Decachlorobiphenyl | 109 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 96 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-04 | Date Collected: | 10/01/09 11:00 |
| Client ID: | SB-21A (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/05/09 18:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 89% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 314 | | ug/kg | 40.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 138 | | 30-150 | A |
| Decachlorobiphenyl | 108 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | B |
| Decachlorobiphenyl | 108 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-04 | Date Collected: | 10/01/09 11:00 |
| Client ID: | SB-21A (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/05/09 18:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 89% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.0 | 1 |
| Aroclor 1221 | ND | | ug/kg | 40.0 | 1 |
| Aroclor 1232 | ND | | ug/kg | 40.0 | 1 |
| Aroclor 1242 | ND | | ug/kg | 40.0 | 1 |
| Aroclor 1248 | 632 | | ug/kg | 40.0 | 1 |
| Aroclor 1260 | ND | | ug/kg | 40.0 | 1 |
| Aroclor 1262 | ND | | ug/kg | 40.0 | 1 |
| Aroclor 1268 | ND | | ug/kg | 40.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 138 | | 30-150 | A |
| Decachlorobiphenyl | 108 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | B |
| Decachlorobiphenyl | 108 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-05 | Date Collected: | 10/01/09 11:15 |
| Client ID: | SB-26A (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/06/09 17:46 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 89% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7340 | 200 |
| Aroclor 1221 | ND | | ug/kg | 7340 | 200 |
| Aroclor 1232 | ND | | ug/kg | 7340 | 200 |
| Aroclor 1242 | ND | | ug/kg | 7340 | 200 |
| Aroclor 1248 | 110000 | | ug/kg | 7340 | 200 |
| Aroclor 1254 | 60000 | | ug/kg | 7340 | 200 |
| Aroclor 1260 | ND | | ug/kg | 7340 | 200 |
| Aroclor 1262 | ND | | ug/kg | 7340 | 200 |
| Aroclor 1268 | ND | | ug/kg | 7340 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-06 | Date Collected: | 10/01/09 11:15 |
| Client ID: | SB-26A (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/06/09 17:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7810 | 200 |
| Aroclor 1221 | ND | | ug/kg | 7810 | 200 |
| Aroclor 1232 | ND | | ug/kg | 7810 | 200 |
| Aroclor 1242 | ND | | ug/kg | 7810 | 200 |
| Aroclor 1248 | 41300 | | ug/kg | 7810 | 200 |
| Aroclor 1260 | ND | | ug/kg | 7810 | 200 |
| Aroclor 1262 | ND | | ug/kg | 7810 | 200 |
| Aroclor 1268 | ND | | ug/kg | 7810 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-06 | Date Collected: | 10/01/09 11:15 |
| Client ID: | SB-26A (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/06/09 17:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 20500 | | ug/kg | 7810 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-07 | Date Collected: | 10/01/09 11:15 |
| Client ID: | SB-26A (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/06/09 18:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.1 | 1 |
| Aroclor 1221 | ND | | ug/kg | 40.1 | 1 |
| Aroclor 1232 | ND | | ug/kg | 40.1 | 1 |
| Aroclor 1242 | ND | | ug/kg | 40.1 | 1 |
| Aroclor 1260 | ND | | ug/kg | 40.1 | 1 |
| Aroclor 1262 | ND | | ug/kg | 40.1 | 1 |
| Aroclor 1268 | ND | | ug/kg | 40.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 | A |
| Decachlorobiphenyl | 123 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 95 | | 30-150 | B |
| Decachlorobiphenyl | 118 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-07 | Date Collected: | 10/01/09 11:15 |
| Client ID: | SB-26A (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/06/09 18:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 198 | | ug/kg | 40.1 | 1 |
| Aroclor 1254 | 106 | | ug/kg | 40.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 | A |
| Decachlorobiphenyl | 123 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 95 | | 30-150 | B |
| Decachlorobiphenyl | 118 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-08 | Date Collected: | 10/01/09 11:15 |
| Client ID: | SB-26A (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/06/09 18:23 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 89% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.0 | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.0 | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.0 | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.0 | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.0 | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.0 | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | A |
| Decachlorobiphenyl | 102 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | B |
| Decachlorobiphenyl | 111 | | 30-150 | B |

**Project Name:** 1 INDIA ST
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-08 | Date Collected: | 10/01/09 11:15 |
| Client ID: | SB-26A (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/06/09 18:23 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 89% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 103 | | ug/kg | 37.0 | 1 |
| Aroclor 1254 | 42.6 | | ug/kg | 37.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | A |
| Decachlorobiphenyl | 102 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | B |
| Decachlorobiphenyl | 111 | | 30-150 | B |

**Project Name:** 1 INDIA ST
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-09 | Date Collected: | 10/01/09 09:15 |
| Client ID: | SB-27A (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/08/09 18:55 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 82% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 6490000 | | ug/kg | 810000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-09 | Date Collected: | 10/01/09 09:15 |
| Client ID: | SB-27A (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/08/09 18:55 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 82% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 810000 | 20000 |
| Aroclor 1221 | ND | | ug/kg | 810000 | 20000 |
| Aroclor 1232 | ND | | ug/kg | 810000 | 20000 |
| Aroclor 1242 | ND | | ug/kg | 810000 | 20000 |
| Aroclor 1248 | 14100000 | | ug/kg | 810000 | 20000 |
| Aroclor 1260 | ND | | ug/kg | 810000 | 20000 |
| Aroclor 1262 | ND | | ug/kg | 810000 | 20000 |
| Aroclor 1268 | ND | | ug/kg | 810000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-10 | Date Collected: | 10/01/09 09:15 |
| Client ID: | SB-27A (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/09/09 08:43 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 83% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3940000 | 100000 |
| Aroclor 1221 | ND | | ug/kg | 3940000 | 100000 |
| Aroclor 1232 | ND | | ug/kg | 3940000 | 100000 |
| Aroclor 1242 | ND | | ug/kg | 3940000 | 100000 |
| Aroclor 1248 | 12100000 | | ug/kg | 3940000 | 100000 |
| Aroclor 1254 | ND | | ug/kg | 3940000 | 100000 |
| Aroclor 1260 | ND | | ug/kg | 3940000 | 100000 |
| Aroclor 1262 | ND | | ug/kg | 3940000 | 100000 |
| Aroclor 1268 | ND | | ug/kg | 3940000 | 100000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-11 | Date Collected: | 10/01/09 09:15 |
| Client ID: | SB-27A (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/08/09 19:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 85% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 399000 | 10000 |
| Aroclor 1221 | ND | | ug/kg | 399000 | 10000 |
| Aroclor 1232 | ND | | ug/kg | 399000 | 10000 |
| Aroclor 1242 | ND | | ug/kg | 399000 | 10000 |
| Aroclor 1260 | ND | | ug/kg | 399000 | 10000 |
| Aroclor 1262 | ND | | ug/kg | 399000 | 10000 |
| Aroclor 1268 | ND | | ug/kg | 399000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-11 | Date Collected: | 10/01/09 09:15 |
| Client ID: | SB-27A (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/08/09 19:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 85% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 4970000 | | ug/kg | 399000 | 10000 |
| Aroclor 1254 | 2180000 | | ug/kg | 399000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-12 | Date Collected: | 10/01/09 09:15 |
| Client ID: | SB-27A (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/08/09 19:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 85% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 1170000 | | ug/kg | 205000 | 5000 |
| Aroclor 1254 | 468000 | | ug/kg | 205000 | 5000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-12 | Date Collected: | 10/01/09 09:15 |
| Client ID: | SB-27A (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:42 |
| Analytical Date: | 10/08/09 19:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 85% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 205000 | 5000 |
| Aroclor 1221 | ND | | ug/kg | 205000 | 5000 |
| Aroclor 1232 | ND | | ug/kg | 205000 | 5000 |
| Aroclor 1242 | ND | | ug/kg | 205000 | 5000 |
| Aroclor 1260 | ND | | ug/kg | 205000 | 5000 |
| Aroclor 1262 | ND | | ug/kg | 205000 | 5000 |
| Aroclor 1268 | ND | | ug/kg | 205000 | 5000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-13 | Date Collected: | 10/01/09 09:15 |
| Client ID: | SB-27A (4'-5') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:43 |
| Analytical Date: | 10/08/09 19:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 80% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 87200 | 2000 |
| Aroclor 1221 | ND | | ug/kg | 87200 | 2000 |
| Aroclor 1232 | ND | | ug/kg | 87200 | 2000 |
| Aroclor 1242 | ND | | ug/kg | 87200 | 2000 |
| Aroclor 1260 | ND | | ug/kg | 87200 | 2000 |
| Aroclor 1262 | ND | | ug/kg | 87200 | 2000 |
| Aroclor 1268 | ND | | ug/kg | 87200 | 2000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-13 | Date Collected: | 10/01/09 09:15 |
| Client ID: | SB-27A (4'-5') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:43 |
| Analytical Date: | 10/08/09 19:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 80% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 220000 | | ug/kg | 87200 | 2000 |
| Aroclor 1254 | 107000 | | ug/kg | 87200 | 2000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-14 | Date Collected: | 10/01/09 09:15 |
| Client ID: | SB-27A (5'-6') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:43 |
| Analytical Date: | 10/08/09 19:56 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 81% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 207 | 5 |
| Aroclor 1221 | ND | | ug/kg | 207 | 5 |
| Aroclor 1232 | ND | | ug/kg | 207 | 5 |
| Aroclor 1242 | ND | | ug/kg | 207 | 5 |
| Aroclor 1254 | ND | | ug/kg | 207 | 5 |
| Aroclor 1260 | ND | | ug/kg | 207 | 5 |
| Aroclor 1262 | ND | | ug/kg | 207 | 5 |
| Aroclor 1268 | ND | | ug/kg | 207 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | A |
| Decachlorobiphenyl | 143 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 | B |
| Decachlorobiphenyl | **645** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-14 | Date Collected: | 10/01/09 09:15 |
| Client ID: | SB-27A (5'-6') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:43 |
| Analytical Date: | 10/08/09 19:56 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 81% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 1170 | | ug/kg | 207 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | A |
| Decachlorobiphenyl | 143 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 | B |
| Decachlorobiphenyl | **645** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-15 | Date Collected: | 10/01/09 10:45 |
| Client ID: | SB-28A (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:43 |
| Analytical Date: | 10/06/09 20:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 15600 | 400 |
| Aroclor 1221 | ND | | ug/kg | 15600 | 400 |
| Aroclor 1232 | ND | | ug/kg | 15600 | 400 |
| Aroclor 1242 | ND | | ug/kg | 15600 | 400 |
| Aroclor 1260 | ND | | ug/kg | 15600 | 400 |
| Aroclor 1262 | ND | | ug/kg | 15600 | 400 |
| Aroclor 1268 | ND | | ug/kg | 15600 | 400 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-15 | Date Collected: | 10/01/09 10:45 |
| Client ID: | SB-28A (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:43 |
| Analytical Date: | 10/06/09 20:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 216000 | | ug/kg | 15600 | 400 |
| Aroclor 1254 | 119000 | | ug/kg | 15600 | 400 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-16 | Date Collected: | 10/01/09 10:45 |
| Client ID: | SB-28A (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:43 |
| Analytical Date: | 10/06/09 20:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 88% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7520 | 200 |
| Aroclor 1221 | ND | | ug/kg | 7520 | 200 |
| Aroclor 1232 | ND | | ug/kg | 7520 | 200 |
| Aroclor 1242 | ND | | ug/kg | 7520 | 200 |
| Aroclor 1248 | 68400 | | ug/kg | 7520 | 200 |
| Aroclor 1260 | ND | | ug/kg | 7520 | 200 |
| Aroclor 1262 | ND | | ug/kg | 7520 | 200 |
| Aroclor 1268 | ND | | ug/kg | 7520 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-16 | Date Collected: | 10/01/09 10:45 |
| Client ID: | SB-28A (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:43 |
| Analytical Date: | 10/06/09 20:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 88% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 34500 | | ug/kg | 7520 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-17 | Date Collected: | 10/01/09 10:45 |
| Client ID: | SB-28A (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:43 |
| Analytical Date: | 10/06/09 20:26 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 2000 | 50 |
| Aroclor 1221 | ND | | ug/kg | 2000 | 50 |
| Aroclor 1232 | ND | | ug/kg | 2000 | 50 |
| Aroclor 1242 | ND | | ug/kg | 2000 | 50 |
| Aroclor 1248 | 6810 | | ug/kg | 2000 | 50 |
| Aroclor 1254 | 4300 | | ug/kg | 2000 | 50 |
| Aroclor 1260 | ND | | ug/kg | 2000 | 50 |
| Aroclor 1262 | ND | | ug/kg | 2000 | 50 |
| Aroclor 1268 | ND | | ug/kg | 2000 | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-18 | Date Collected: | 10/01/09 10:45 |
| Client ID: | SB-28A (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:43 |
| Analytical Date: | 10/06/09 20:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 87% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 389 | 10 |
| Aroclor 1221 | ND | | ug/kg | 389 | 10 |
| Aroclor 1232 | ND | | ug/kg | 389 | 10 |
| Aroclor 1242 | ND | | ug/kg | 389 | 10 |
| Aroclor 1248 | 4320 | | ug/kg | 389 | 10 |
| Aroclor 1254 | 3600 | | ug/kg | 389 | 10 |
| Aroclor 1262 | ND | | ug/kg | 389 | 10 |
| Aroclor 1268 | ND | | ug/kg | 389 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-18 | Date Collected: | 10/01/09 10:45 |
| Client ID: | SB-28A (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:43 |
| Analytical Date: | 10/06/09 20:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 87% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1260 | 1020 | | ug/kg | 389 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-19 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-29A (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:44 |
| Analytical Date: | 10/06/09 20:51 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 84% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7620 | 200 |
| Aroclor 1221 | ND | | ug/kg | 7620 | 200 |
| Aroclor 1232 | ND | | ug/kg | 7620 | 200 |
| Aroclor 1242 | ND | | ug/kg | 7620 | 200 |
| Aroclor 1254 | 72200 | | ug/kg | 7620 | 200 |
| Aroclor 1260 | ND | | ug/kg | 7620 | 200 |
| Aroclor 1262 | ND | | ug/kg | 7620 | 200 |
| Aroclor 1268 | ND | | ug/kg | 7620 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-19 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-29A (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:44 |
| Analytical Date: | 10/06/09 20:51 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 84% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 135000 | | ug/kg | 7620 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-20 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-29A (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:44 |
| Analytical Date: | 10/08/09 20:08 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 88% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 12700 | | ug/kg | 3910 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913917-20 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-29A (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 13:44 |
| Analytical Date: | 10/08/09 20:08 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/05/09 |
| Percent Solids: | 88% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1221 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1232 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1242 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1254 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1260 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1262 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1268 | ND | | ug/kg | 3910 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/05/09 17:30
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 10/02/09 13:42
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/05/09
Cleanup Method2: - - - -
Cleanup Date2:

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-20 Batch: WG382647-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.1 |
| Aroclor 1221 | ND | | ug/kg | 33.1 |
| Aroclor 1232 | ND | | ug/kg | 33.1 |
| Aroclor 1242 | ND | | ug/kg | 33.1 |
| Aroclor 1248 | ND | | ug/kg | 33.1 |
| Aroclor 1254 | ND | | ug/kg | 33.1 |
| Aroclor 1260 | ND | | ug/kg | 33.1 |
| Aroclor 1262 | ND | | ug/kg | 33.1 |
| Aroclor 1268 | ND | | ug/kg | 33.1 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | A |
| Decachlorobiphenyl | 89 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | B |
| Decachlorobiphenyl | 105 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST

**Project Number:** 0222610.01

**Lab Number:** L0913917

**Report Date:** 10/09/09

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-20 Batch: WG382647-2 WG382647-3 | | | | | | | | |
| Aroclor 1016 | 80 | | 99 | | 40-140 | 21 | | 50 |
| Aroclor 1260 | 99 | | 95 | | 40-140 | 4 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 90 | | 30-150 | A |
| Decachlorobiphenyl | 97 | | 102 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 93 | | 30-150 | B |
| Decachlorobiphenyl | 97 | | 103 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-01
Client ID: SB-21A (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 11:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 10/02/09 07:55 | 30,2540G | TL |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-02
Client ID: SB-21A (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 11:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 10/02/09 07:55 | 30,2540G | TL |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-03
Client ID: SB-21A (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 11:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 10/02/09 07:55 | 30,2540G | TL |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-04
Client ID: SB-21A (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 11:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | 1 | - | 10/02/09 07:55 | 30,2540G | TL |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-05
Client ID: SB-26A (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 11:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | 1 | - | 10/02/09 07:55 | 30,2540G | TL |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-06
Client ID: SB-26A (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 11:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/02/09 07:55 | 30,2540G | TL |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-07
Client ID: SB-26A (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 11:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/02/09 07:55 | 30,2540G | TL |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-08
Client ID: SB-26A (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil
Date Collected: 10/01/09 11:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | 1 | - | 10/02/09 07:55 | 30,2540G | TL |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-09
Client ID: SB-27A (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | 1 | - | 10/02/09 07:55 | 30,2540G | TL |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-10
Client ID: SB-27A (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | 1 | - | 10/02/09 07:55 | 30,2540G | TL |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-11
Client ID: SB-27A (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 10/02/09 07:55 | 30,2540G | TL |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-12
Client ID: SB-27A (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 10/02/09 07:55 | 30,2540G | TL |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-13
Client ID: SB-27A (4'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 80 | | % | 0.10 | 1 | - | 10/02/09 07:55 | 30,2540G | TL |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-14
Client ID: SB-27A (5'-6')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 81 | | % | 0.10 | 1 | - | 10/02/09 07:55 | 30,2540G | TL |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-15
Client ID: SB-28A (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 10:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/02/09 07:55 | 30,2540G | TL |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-16
Client ID: SB-28A (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 10:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 10/04/09 23:55 | 30,2540G | NM |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-17
Client ID: SB-28A (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil
Date Collected: 10/01/09 10:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/04/09 23:55 | 30,2540G | NM |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-18
Client ID: SB-28A (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil
Date Collected: 10/01/09 10:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 10/04/09 23:55 | 30,2540G | NM |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-19
Client ID: SB-29A (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 12:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 10/04/09 23:55 | 30,2540G | NM |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913917-20
Client ID: SB-29A (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 12:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 10/04/09 23:55 | 30,2540G | NM |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-15 QC Batch ID: WG382570-1 QC Sample: L0913902-03 Client ID: DUP Sample | | | | | | |
| Solids, Total | 91 | 90 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 16-20 QC Batch ID: WG382802-1 QC Sample: L0913917-16 Client ID: SB-28A (1'-2') | | | | | | |
| Solids, Total | 88 | 89 | % | 1 | | 20 |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913917
**Report Date:** 10/09/09

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |

### Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0913917-01A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-02A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-03A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-04A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-05A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-06A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-07A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-08A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-09A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-10A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-11A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-12A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-13A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-14A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-15A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-16A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-17A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-18A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-19A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913917-20A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |

*Hold days indicated by values in parentheses

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST | **Lab Number:** | L0913917 |
| **Project Number:** | 0222610.01 | **Report Date:** | 10/09/09 |

## GLOSSARY

***Acronyms***

| | |
|---|---|
| EPA | · Environmental Protection Agency. |
| LCS | · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | · Laboratory Control Sample Duplicate: Refer to LCS. |
| MS | · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | · Matrix Spike Sample Duplicate: Refer to MS. |
| NA | · Not Applicable. |
| NC | · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| ND | · Not detected at the reported detection limit for the sample. |
| NI | · Not Ignitable. |
| RDL | · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.) |
| **R** | - Analytical results are from sample re-analysis. |
| **RE** | - Analytical results are from sample re-extraction. |
| **J** | - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs). |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST | **Lab Number:** | L0913917 |
| **Project Number:** | 0222610.01 | **Report Date:** | 10/09/09 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised October 1, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Utah Department of Health** Certificate/Lab ID: AAMA. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: Chloride EPA 300.0)

**Analytes Not Accredited by NELAP**

Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene.

# CHAIN OF CUSTODY

PAGE 1 OF 6

Date Rec'd in Lab: 10/01/09

ALPHA Job #: L0913917


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


100901207

## Client Information

Client: Woodard & Curran

Address: 95 Cedar St Suite 100

Phone: 401.273.1007

Fax: 401.273.5087

Email: grose@woodardcurran.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 India St

Project Location: Providence, RI

Project #: 0222610.01

Project Manager: Garrett Rose

ALPHA Quote #:

## Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 10/08/09 Time:

Other Project Specific Requirements/Comments/Detection Limits:

## Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☑ ADEx ☐ Add'l Deliverables

## Billing Information

☑ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program: RI

Criteria: RIDEM Residential Direct Exposure

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☑ No Are MCP Analytical Methods Required?

☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|
| 13917.1 | SB-21A (0'-1') | 10/1/09 | 1100 | S | GR | X | 1 |
| 2 | SB-21A (1'-2') | | | | | X | 1 |
| 3 | SB-21A (2'-3') | | | | | X | 1 |
| 4 | SB-21A (3'-4') | | | | | X | 1 |
| 5 | SB-26A (0'-1') | | 1115 | | | X | 1 |
| 6 | SB-26A (1'-2') | | | | | X | 1 |
| 7 | SB-26A (2'-3') | | | | | X | 1 |
| 8 | SB-26A (3'-4') | | | | | X | 1 |
| 9 | SB-27A (0'-1') | | 915 | | | X | 1 |
| 10 | SB-27A (1'-2') | | | | | X | 1 |

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do

(Please specify below)

Sample Specific Comments

Container Type: G

Preservative: A

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 10/1/09 1600 | | 10/1/09 1600 |
| | 10/1/09 1730 | | 10/1/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 2 OF 6

Date Rec'd in Lab: 10/01/09

ALPHA Job #: L0913917


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


## Client Information

Client: Woodard & Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 10/08/09 Time:

## Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☑ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program RI Criteria RDEC

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☑ No Are MCP Analytical Methods Required?

☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 11 | SB-27A (2'-3') | 10/1/09 | 915 | S | GR | X | | 1 |
| 12 | SB-27A (3'-4') | | | | | X | | 1 |
| 13 | SB-27A (4'-5') | | | | | X | | 1 |
| 14 | SB-27A (5'-6') | | | | | X | | 1 |
| 15 | SB-28A (0'-1') | | 1045 | | | X | | 1 |
| 16 | SB-28A (1'-2') | | | | | X | | 1 |
| 17 | SB-28A (2'-3') | | | | | X | | 1 |
| 18 | SB-28A (3'-4') | | | | | X | | 1 |
| 19 | SB-29A (0'-1') | | 1215 | | | X | | 1 |
| 20 | SB-29A (1'-2') | | | | | X | | 1 |

**SAMPLE HANDLING**

*Filtration*

☐ Done

☐ Not needed

☐ Lab to do

*Preservation*

☐ Lab to do

(Please specify below)

| | |
|---|---|
| Container Type | G |
| Preservative | A |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 10/1/09 1600 | | 10/1/09 1730 |
| | 10/1/09 1730 | | 10/1/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L0913919 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Project Name: | 1 INDIA ST. |
| Project Number: | 0222610.01 |
| Report Date: | 10/12/09 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0913919-01 | SB-29A (2'-3') | PROVIDENCE, RI | 10/01/09 12:15 |
| L0913919-02 | SB-29A (3'-4') | PROVIDENCE, RI | 10/01/09 12:15 |
| L0913919-03 | SB-29A (4'-5') | PROVIDENCE, RI | 10/01/09 12:15 |
| L0913919-04 | SB-29A (5'-6') | PROVIDENCE, RI | 10/01/09 12:15 |
| L0913919-05 | SB-30A (0'-1') | PROVIDENCE, RI | 10/01/09 11:30 |
| L0913919-06 | SB-30A (1'-2') | PROVIDENCE, RI | 10/01/09 11:30 |
| L0913919-07 | SB-30A (2'-3') | PROVIDENCE, RI | 10/01/09 11:30 |
| L0913919-08 | SB-30A (3'-4') | PROVIDENCE, RI | 10/01/09 11:30 |
| L0913919-09 | SB-31 (0'-1') | PROVIDENCE, RI | 10/01/09 08:45 |
| L0913919-10 | SB-31 (1'-2') | PROVIDENCE, RI | 10/01/09 08:45 |
| L0913919-11 | SB-32 (0'-1') | PROVIDENCE, RI | 10/01/09 09:00 |
| L0913919-12 | SB-32 (1'-2') | PROVIDENCE, RI | 10/01/09 09:00 |
| L0913919-13 | SB-33 (0'-1') | PROVIDENCE, RI | 10/01/09 10:00 |
| L0913919-14 | SB-33 (1'-2') | PROVIDENCE, RI | 10/01/09 10:00 |
| L0913919-15 | SB-34 (0'-1') | PROVIDENCE, RI | 10/01/09 09:30 |
| L0913919-16 | SB-34 (1'-2') | PROVIDENCE, RI | 10/01/09 09:30 |
| L0913919-17 | SB-35 (0'-1') | PROVIDENCE, RI | 10/01/09 09:45 |
| L0913919-18 | SB-35 (1'-2') | PROVIDENCE, RI | 10/01/09 09:45 |
| L0913919-19 | SB-36 (0'-1') | PROVIDENCE, RI | 10/01/09 10:30 |
| L0913919-20 | SB-36 (1'-2') | PROVIDENCE, RI | 10/01/09 10:30 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0913919 |
| **Project Number:** | 0222610.01 | **Report Date:** | 10/12/09 |

**Case Narrative**

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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PCB

L0913919-01, -05, -06, -07, -09 through -12, and -14 through -20 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L0913919-13 has elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the sample and by the elevated concentrations of target compounds in the sample.

The surrogate recoveries for L0913919-01, -05, -06, -07, and -09 through -20 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analyses are

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0913919 |
| **Project Number:** | 0222610.01 | **Report Date:** | 10/12/09 |

**Case Narrative (continued)**

reported.

The WG383508-1 Method Blank, associated with L0913919-01, -05, -06, -07, and -09 through -20, has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons

Title: Technical Director/Representative Date: 10/12/09

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-01 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-29A (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:17 |
| Analytical Date: | 10/09/09 17:08 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 394 | 10 |
| Aroclor 1221 | ND | | ug/kg | 394 | 10 |
| Aroclor 1232 | ND | | ug/kg | 394 | 10 |
| Aroclor 1242 | ND | | ug/kg | 394 | 10 |
| Aroclor 1248 | 1600 | B | ug/kg | 394 | 10 |
| Aroclor 1260 | ND | | ug/kg | 394 | 10 |
| Aroclor 1262 | ND | | ug/kg | 394 | 10 |
| Aroclor 1268 | ND | | ug/kg | 394 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-01 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-29A (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:17 |
| Analytical Date: | 10/09/09 17:08 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 982 | | ug/kg | 394 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-02 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-29A (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/09/09 18:16 |
| Analytical Date: | 10/11/09 12:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/11/09 |
| Percent Solids: | 75% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 441 | | ug/kg | 44.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 96 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-02 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-29A (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/09/09 18:16 |
| Analytical Date: | 10/11/09 12:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/11/09 |
| Percent Solids: | 75% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 44.1 | 1 |
| Aroclor 1221 | ND | | ug/kg | 44.1 | 1 |
| Aroclor 1232 | ND | | ug/kg | 44.1 | 1 |
| Aroclor 1242 | ND | | ug/kg | 44.1 | 1 |
| Aroclor 1248 | 629 | | ug/kg | 44.1 | 1 |
| Aroclor 1260 | ND | | ug/kg | 44.1 | 1 |
| Aroclor 1262 | ND | | ug/kg | 44.1 | 1 |
| Aroclor 1268 | ND | | ug/kg | 44.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 96 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-03 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-29A (4'-5') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/09/09 18:16 |
| Analytical Date: | 10/11/09 13:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/11/09 |
| Percent Solids: | 82% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.3 | 1 |
| Aroclor 1221 | ND | | ug/kg | 40.3 | 1 |
| Aroclor 1232 | ND | | ug/kg | 40.3 | 1 |
| Aroclor 1242 | ND | | ug/kg | 40.3 | 1 |
| Aroclor 1248 | 77.8 | | ug/kg | 40.3 | 1 |
| Aroclor 1254 | ND | | ug/kg | 40.3 | 1 |
| Aroclor 1260 | ND | | ug/kg | 40.3 | 1 |
| Aroclor 1262 | ND | | ug/kg | 40.3 | 1 |
| Aroclor 1268 | ND | | ug/kg | 40.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 | A |
| Decachlorobiphenyl | 112 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | B |
| Decachlorobiphenyl | 105 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-04 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-29A (5'-6') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/09/09 18:16 |
| Analytical Date: | 10/11/09 13:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/11/09 |
| Percent Solids: | 70% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 46.8 | 1 |
| Aroclor 1221 | ND | | ug/kg | 46.8 | 1 |
| Aroclor 1232 | ND | | ug/kg | 46.8 | 1 |
| Aroclor 1242 | ND | | ug/kg | 46.8 | 1 |
| Aroclor 1248 | ND | | ug/kg | 46.8 | 1 |
| Aroclor 1254 | ND | | ug/kg | 46.8 | 1 |
| Aroclor 1260 | ND | | ug/kg | 46.8 | 1 |
| Aroclor 1262 | ND | | ug/kg | 46.8 | 1 |
| Aroclor 1268 | ND | | ug/kg | 46.8 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | A |
| Decachlorobiphenyl | 68 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | B |
| Decachlorobiphenyl | 70 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-05 | Date Collected: | 10/01/09 11:30 |
| Client ID: | SB-30A (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:17 |
| Analytical Date: | 10/12/09 10:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38800 | 1000 |
| Aroclor 1221 | ND | | ug/kg | 38800 | 1000 |
| Aroclor 1232 | ND | | ug/kg | 38800 | 1000 |
| Aroclor 1242 | ND | | ug/kg | 38800 | 1000 |
| Aroclor 1248 | 252000 | B | ug/kg | 38800 | 1000 |
| Aroclor 1260 | ND | | ug/kg | 38800 | 1000 |
| Aroclor 1262 | ND | | ug/kg | 38800 | 1000 |
| Aroclor 1268 | ND | | ug/kg | 38800 | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-05 | Date Collected: | 10/01/09 11:30 |
| Client ID: | SB-30A (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:17 |
| Analytical Date: | 10/12/09 10:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 129000 | | ug/kg | 38800 | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-06 | Date Collected: | 10/01/09 11:30 |
| Client ID: | SB-30A (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:17 |
| Analytical Date: | 10/09/09 17:33 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7830 | 200 |
| Aroclor 1221 | ND | | ug/kg | 7830 | 200 |
| Aroclor 1232 | ND | | ug/kg | 7830 | 200 |
| Aroclor 1242 | ND | | ug/kg | 7830 | 200 |
| Aroclor 1260 | ND | | ug/kg | 7830 | 200 |
| Aroclor 1262 | ND | | ug/kg | 7830 | 200 |
| Aroclor 1268 | ND | | ug/kg | 7830 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-06 | Date Collected: | 10/01/09 11:30 |
| Client ID: | SB-30A (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:17 |
| Analytical Date: | 10/09/09 17:33 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 115000 | B | ug/kg | 7830 | 200 |
| Aroclor 1254 | 50400 | | ug/kg | 7830 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-07 | Date Collected: | 10/01/09 11:30 |
| Client ID: | SB-30A (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:17 |
| Analytical Date: | 10/09/09 17:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7580 | 200 |
| Aroclor 1221 | ND | | ug/kg | 7580 | 200 |
| Aroclor 1232 | ND | | ug/kg | 7580 | 200 |
| Aroclor 1242 | ND | | ug/kg | 7580 | 200 |
| Aroclor 1260 | ND | | ug/kg | 7580 | 200 |
| Aroclor 1262 | ND | | ug/kg | 7580 | 200 |
| Aroclor 1268 | ND | | ug/kg | 7580 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-07 | Date Collected: | 10/01/09 11:30 |
| Client ID: | SB-30A (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:17 |
| Analytical Date: | 10/09/09 17:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 59400 | B | ug/kg | 7580 | 200 |
| Aroclor 1254 | 30300 | | ug/kg | 7580 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-08 | Date Collected: | 10/01/09 11:30 |
| Client ID: | SB-30A (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/09/09 18:16 |
| Analytical Date: | 10/11/09 13:35 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/11/09 |
| Percent Solids: | 89% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.2 | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.2 | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.2 | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.2 | 1 |
| Aroclor 1248 | 115 | | ug/kg | 37.2 | 1 |
| Aroclor 1254 | 43.2 | | ug/kg | 37.2 | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.2 | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.2 | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 110 | | 30-150 | A |
| Decachlorobiphenyl | 140 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-09 | Date Collected: | 10/01/09 08:45 |
| Client ID: | SB-31 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:17 |
| Analytical Date: | 10/10/09 23:07 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 82% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 3260000 | B | ug/kg | 399000 | 10000 |
| Aroclor 1254 | 1780000 | | ug/kg | 399000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-09 | Date Collected: | 10/01/09 08:45 |
| Client ID: | SB-31 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:17 |
| Analytical Date: | 10/10/09 23:07 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 82% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 399000 | 10000 |
| Aroclor 1221 | ND | | ug/kg | 399000 | 10000 |
| Aroclor 1232 | ND | | ug/kg | 399000 | 10000 |
| Aroclor 1242 | ND | | ug/kg | 399000 | 10000 |
| Aroclor 1260 | ND | | ug/kg | 399000 | 10000 |
| Aroclor 1262 | ND | | ug/kg | 399000 | 10000 |
| Aroclor 1268 | ND | | ug/kg | 399000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-10 | Date Collected: | 10/01/09 08:45 |
| Client ID: | SB-31 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:17 |
| Analytical Date: | 10/10/09 23:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 40100000 | B | ug/kg | 3830000 | 100000 |
| Aroclor 1254 | 14200000 | | ug/kg | 3830000 | 100000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-10 | Date Collected: | 10/01/09 08:45 |
| Client ID: | SB-31 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:17 |
| Analytical Date: | 10/10/09 23:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3830000 | 100000 |
| Aroclor 1221 | ND | | ug/kg | 3830000 | 100000 |
| Aroclor 1232 | ND | | ug/kg | 3830000 | 100000 |
| Aroclor 1242 | ND | | ug/kg | 3830000 | 100000 |
| Aroclor 1260 | ND | | ug/kg | 3830000 | 100000 |
| Aroclor 1262 | ND | | ug/kg | 3830000 | 100000 |
| Aroclor 1268 | ND | | ug/kg | 3830000 | 100000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-11 | Date Collected: | 10/01/09 09:00 |
| Client ID: | SB-32 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:17 |
| Analytical Date: | 10/10/09 23:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 4440000 | | ug/kg | 782000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-11 | Date Collected: | 10/01/09 09:00 |
| Client ID: | SB-32 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:17 |
| Analytical Date: | 10/10/09 23:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 782000 | 20000 |
| Aroclor 1221 | ND | | ug/kg | 782000 | 20000 |
| Aroclor 1232 | ND | | ug/kg | 782000 | 20000 |
| Aroclor 1242 | ND | | ug/kg | 782000 | 20000 |
| Aroclor 1248 | 8740000 | B | ug/kg | 782000 | 20000 |
| Aroclor 1260 | ND | | ug/kg | 782000 | 20000 |
| Aroclor 1262 | ND | | ug/kg | 782000 | 20000 |
| Aroclor 1268 | ND | | ug/kg | 782000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-12 | Date Collected: | 10/01/09 09:00 |
| Client ID: | SB-32 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:17 |
| Analytical Date: | 10/10/09 23:43 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 12200000 | B | ug/kg | 1920000 | 50000 |
| Aroclor 1254 | 5210000 | | ug/kg | 1920000 | 50000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-12 | Date Collected: | 10/01/09 09:00 |
| Client ID: | SB-32 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:17 |
| Analytical Date: | 10/10/09 23:43 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1920000 | 50000 |
| Aroclor 1221 | ND | | ug/kg | 1920000 | 50000 |
| Aroclor 1232 | ND | | ug/kg | 1920000 | 50000 |
| Aroclor 1242 | ND | | ug/kg | 1920000 | 50000 |
| Aroclor 1260 | ND | | ug/kg | 1920000 | 50000 |
| Aroclor 1262 | ND | | ug/kg | 1920000 | 50000 |
| Aroclor 1268 | ND | | ug/kg | 1920000 | 50000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-13 | Date Collected: | 10/01/09 10:00 |
| Client ID: | SB-33 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:21 |
| Analytical Date: | 10/10/09 23:56 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 79% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 205000 | 5000 |
| Aroclor 1221 | ND | | ug/kg | 205000 | 5000 |
| Aroclor 1232 | ND | | ug/kg | 205000 | 5000 |
| Aroclor 1242 | ND | | ug/kg | 205000 | 5000 |
| Aroclor 1260 | ND | | ug/kg | 205000 | 5000 |
| Aroclor 1262 | ND | | ug/kg | 205000 | 5000 |
| Aroclor 1268 | ND | | ug/kg | 205000 | 5000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-13 | Date Collected: | 10/01/09 10:00 |
| Client ID: | SB-33 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:21 |
| Analytical Date: | 10/10/09 23:56 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 79% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 2700000 | B | ug/kg | 205000 | 5000 |
| Aroclor 1254 | 1370000 | | ug/kg | 205000 | 5000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-14 | Date Collected: | 10/01/09 10:00 |
| Client ID: | SB-33 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:21 |
| Analytical Date: | 10/11/09 00:08 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 4060000 | B | ug/kg | 388000 | 10000 |
| Aroclor 1254 | 2070000 | | ug/kg | 388000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-14 | Date Collected: | 10/01/09 10:00 |
| Client ID: | SB-33 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:21 |
| Analytical Date: | 10/11/09 00:08 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 388000 | 10000 |
| Aroclor 1221 | ND | | ug/kg | 388000 | 10000 |
| Aroclor 1232 | ND | | ug/kg | 388000 | 10000 |
| Aroclor 1242 | ND | | ug/kg | 388000 | 10000 |
| Aroclor 1260 | ND | | ug/kg | 388000 | 10000 |
| Aroclor 1262 | ND | | ug/kg | 388000 | 10000 |
| Aroclor 1268 | ND | | ug/kg | 388000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-15 | Date Collected: | 10/01/09 09:30 |
| Client ID: | SB-34 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:21 |
| Analytical Date: | 10/11/09 00:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 81% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 2200000 | B | ug/kg | 398000 | 10000 |
| Aroclor 1254 | 1400000 | | ug/kg | 398000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-15 | Date Collected: | 10/01/09 09:30 |
| Client ID: | SB-34 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:21 |
| Analytical Date: | 10/11/09 00:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 81% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 398000 | 10000 |
| Aroclor 1221 | ND | | ug/kg | 398000 | 10000 |
| Aroclor 1232 | ND | | ug/kg | 398000 | 10000 |
| Aroclor 1242 | ND | | ug/kg | 398000 | 10000 |
| Aroclor 1260 | ND | | ug/kg | 398000 | 10000 |
| Aroclor 1262 | ND | | ug/kg | 398000 | 10000 |
| Aroclor 1268 | ND | | ug/kg | 398000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-16 | Date Collected: | 10/01/09 09:30 |
| Client ID: | SB-34 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:21 |
| Analytical Date: | 10/11/09 00:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 929000 | 25000 |
| Aroclor 1221 | ND | | ug/kg | 929000 | 25000 |
| Aroclor 1232 | ND | | ug/kg | 929000 | 25000 |
| Aroclor 1242 | ND | | ug/kg | 929000 | 25000 |
| Aroclor 1260 | ND | | ug/kg | 929000 | 25000 |
| Aroclor 1262 | ND | | ug/kg | 929000 | 25000 |
| Aroclor 1268 | ND | | ug/kg | 929000 | 25000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-16 | Date Collected: | 10/01/09 09:30 |
| Client ID: | SB-34 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:21 |
| Analytical Date: | 10/11/09 00:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 7460000 | B | ug/kg | 929000 | 25000 |
| Aroclor 1254 | 3320000 | | ug/kg | 929000 | 25000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-17 | Date Collected: | 10/01/09 09:45 |
| Client ID: | SB-35 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:21 |
| Analytical Date: | 10/11/09 00:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 2080000 | B | ug/kg | 375000 | 10000 |
| Aroclor 1254 | 1270000 | | ug/kg | 375000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-17 | Date Collected: | 10/01/09 09:45 |
| Client ID: | SB-35 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:21 |
| Analytical Date: | 10/11/09 00:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 375000 | 10000 |
| Aroclor 1221 | ND | | ug/kg | 375000 | 10000 |
| Aroclor 1232 | ND | | ug/kg | 375000 | 10000 |
| Aroclor 1242 | ND | | ug/kg | 375000 | 10000 |
| Aroclor 1260 | ND | | ug/kg | 375000 | 10000 |
| Aroclor 1262 | ND | | ug/kg | 375000 | 10000 |
| Aroclor 1268 | ND | | ug/kg | 375000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-18 | Date Collected: | 10/01/09 09:45 |
| Client ID: | SB-35 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:21 |
| Analytical Date: | 10/11/09 01:21 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 363000 | 10000 |
| Aroclor 1221 | ND | | ug/kg | 363000 | 10000 |
| Aroclor 1232 | ND | | ug/kg | 363000 | 10000 |
| Aroclor 1242 | ND | | ug/kg | 363000 | 10000 |
| Aroclor 1260 | ND | | ug/kg | 363000 | 10000 |
| Aroclor 1262 | ND | | ug/kg | 363000 | 10000 |
| Aroclor 1268 | ND | | ug/kg | 363000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-18 | Date Collected: | 10/01/09 09:45 |
| Client ID: | SB-35 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:21 |
| Analytical Date: | 10/11/09 01:21 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 3230000 | B | ug/kg | 363000 | 10000 |
| Aroclor 1254 | 2030000 | | ug/kg | 363000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-19 | Date Collected: | 10/01/09 10:30 |
| Client ID: | SB-36 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:21 |
| Analytical Date: | 10/11/09 01:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 18700 | 500 |
| Aroclor 1221 | ND | | ug/kg | 18700 | 500 |
| Aroclor 1232 | ND | | ug/kg | 18700 | 500 |
| Aroclor 1242 | ND | | ug/kg | 18700 | 500 |
| Aroclor 1248 | 242000 | B | ug/kg | 18700 | 500 |
| Aroclor 1260 | ND | | ug/kg | 18700 | 500 |
| Aroclor 1262 | ND | | ug/kg | 18700 | 500 |
| Aroclor 1268 | ND | | ug/kg | 18700 | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-19 | Date Collected: | 10/01/09 10:30 |
| Client ID: | SB-36 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:21 |
| Analytical Date: | 10/11/09 01:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 136000 | | ug/kg | 18700 | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-20 | Date Collected: | 10/01/09 10:30 |
| Client ID: | SB-36 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:21 |
| Analytical Date: | 10/09/09 20:24 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 714 | 20 |
| Aroclor 1221 | ND | | ug/kg | 714 | 20 |
| Aroclor 1232 | ND | | ug/kg | 714 | 20 |
| Aroclor 1242 | ND | | ug/kg | 714 | 20 |
| Aroclor 1248 | 5710 | B | ug/kg | 714 | 20 |
| Aroclor 1260 | ND | | ug/kg | 714 | 20 |
| Aroclor 1262 | ND | | ug/kg | 714 | 20 |
| Aroclor 1268 | ND | | ug/kg | 714 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913919-20 | Date Collected: | 10/01/09 10:30 |
| Client ID: | SB-36 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/08/09 13:21 |
| Analytical Date: | 10/09/09 20:24 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/09/09 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/09/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 3990 | | ug/kg | 714 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/09/09 06:15
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 10/08/09 13:17
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/09/09
Cleanup Method2: EPA 3660B
Cleanup Date2: 10/09/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01,05-07,09-20 Batch: WG383508-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 31.7 |
| Aroclor 1221 | ND | | ug/kg | 31.7 |
| Aroclor 1232 | ND | | ug/kg | 31.7 |
| Aroclor 1242 | ND | | ug/kg | 31.7 |
| Aroclor 1248 | 59.5 | | ug/kg | 31.7 |
| Aroclor 1254 | ND | | ug/kg | 31.7 |
| Aroclor 1260 | ND | | ug/kg | 31.7 |
| Aroclor 1262 | ND | | ug/kg | 31.7 |
| Aroclor 1268 | ND | | ug/kg | 31.7 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 | A |
| Decachlorobiphenyl | 96 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 | B |
| Decachlorobiphenyl | 130 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0913919

**Project Number:** 0222610.01 **Report Date:** 10/12/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/11/09 12:21
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 10/09/09 18:16
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/11/09
Cleanup Method2: - - - -
Cleanup Date2:

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 02-04,08 Batch: WG383795-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.2 |
| Aroclor 1221 | ND | | ug/kg | 32.2 |
| Aroclor 1232 | ND | | ug/kg | 32.2 |
| Aroclor 1242 | ND | | ug/kg | 32.2 |
| Aroclor 1248 | ND | | ug/kg | 32.2 |
| Aroclor 1254 | ND | | ug/kg | 32.2 |
| Aroclor 1260 | ND | | ug/kg | 32.2 |
| Aroclor 1262 | ND | | ug/kg | 32.2 |
| Aroclor 1268 | ND | | ug/kg | 32.2 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 102 | | 30-150 | A |
| Decachlorobiphenyl | 119 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 30-150 | B |
| Decachlorobiphenyl | 110 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01,05-07,09-20 Batch: WG383508-2 WG383508-3 | | | | | | | | |
| Aroclor 1016 | 78 | | 76 | | 40-140 | 3 | | 50 |
| Aroclor 1260 | 78 | | 77 | | 40-140 | 1 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 75 | | 30-150 | A |
| Decachlorobiphenyl | 90 | | 89 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 78 | | 30-150 | B |
| Decachlorobiphenyl | 113 | | 109 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 02-04,08 Batch: WG383795-2 WG383795-3 | | | | | | | | |
| Aroclor 1016 | 94 | | 102 | | 40-140 | 8 | | 50 |
| Aroclor 1260 | 105 | | 116 | | 40-140 | 10 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 100 | | 30-150 | A |
| Decachlorobiphenyl | 114 | | 126 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 96 | | 30-150 | B |
| Decachlorobiphenyl | 95 | | 107 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-01
Client ID: SB-29A (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 12:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 10/04/09 23:55 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-02
Client ID: SB-29A (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 12:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 75 | | % | 0.10 | 1 | - | 10/04/09 23:55 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-03
Client ID: SB-29A (4'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 12:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | 1 | - | 10/04/09 23:55 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-04
Client ID: SB-29A (5'-6')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 12:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 70 | | % | 0.10 | 1 | - | 10/04/09 23:55 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-05
Client ID: SB-30A (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 11:30
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 10/04/09 23:55 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-06
Client ID: SB-30A (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 11:30
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 10/04/09 23:55 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-07
Client ID: SB-30A (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 11:30
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 10/04/09 23:55 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-08
Client ID: SB-30A (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 11:30
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | 1 | - | 10/04/09 23:55 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-09
Client ID: SB-31 (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 08:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | 1 | - | 10/04/09 23:55 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-10
Client ID: SB-31 (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 08:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/04/09 23:55 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-11
Client ID: SB-32 (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | 1 | - | 10/04/09 23:55 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-12
Client ID: SB-32 (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/05/09 16:50 | 30,2540G | SD |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-13
Client ID: SB-33 (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 10:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 79 | | % | 0.10 | 1 | - | 10/05/09 16:50 | 30,2540G | SD |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-14
Client ID: SB-33 (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 10:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 10/05/09 16:50 | 30,2540G | SD |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-15
Client ID: SB-34 (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:30
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 81 | | % | 0.10 | 1 | - | 10/05/09 16:50 | 30,2540G | SD |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-16
Client ID: SB-34 (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:30
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/05/09 16:50 | 30,2540G | SD |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-17
Client ID: SB-35 (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/05/09 16:50 | 30,2540G | SD |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-18
Client ID: SB-35 (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | 1 | - | 10/05/09 16:50 | 30,2540G | SD |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-19
Client ID: SB-36 (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 10:30
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 10/05/09 16:50 | 30,2540G | SD |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## SAMPLE RESULTS

Lab ID: L0913919-20
Client ID: SB-36 (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 10:30
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 10/05/09 16:50 | 30,2540G | SD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG382802-1 QC Sample: L0913917-16 Client ID: DUP Sample | | | | | | |
| Solids, Total | 88 | 89 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 12-20 QC Batch ID: WG382931-1 QC Sample: L0913919-12 Client ID: SB-32 (1'-2') | | | | | | |
| Solids, Total | 86 | 86 | % | 0 | | 20 |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0913919
**Report Date:** 10/12/09

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |

### Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0913919-01A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-02A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-03A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-04A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-05A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-06A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-07A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-08A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-09A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-10A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-11A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-12A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-13A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-14A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-15A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-16A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-17A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-18A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-19A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913919-20A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |

### Container Comments

L0913919-12A

L0913919-13A

L0913919-17A

L0913919-20A

*Hold days indicated by values in parentheses

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0913919 |
| **Project Number:** | 0222610.01 | **Report Date:** | 10/12/09 |

## GLOSSARY

***Acronyms***

| | |
|---|---|
| EPA | · Environmental Protection Agency. |
| LCS | · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | · Laboratory Control Sample Duplicate: Refer to LCS. |
| MS | · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | · Matrix Spike Sample Duplicate: Refer to MS. |
| NA | · Not Applicable. |
| NC | · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| ND | · Not detected at the reported detection limit for the sample. |
| NI | · Not Ignitable. |
| RDL | · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.) |
| **R** | - Analytical results are from sample re-analysis. |
| **RE** | - Analytical results are from sample re-extraction. |
| **J** | - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs). |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0913919 |
| **Project Number:** | 0222610.01 | **Report Date:** | 10/12/09 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised October 1, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Utah Department of Health** Certificate/Lab ID: AAMA. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: Chloride EPA 300.0)

**Analytes Not Accredited by NELAP**

Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene.

# CHAIN OF CUSTODY

PAGE 3 OF 6


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


10120912:24

Date Rec'd in Lab: 10/01/09

ALPHA Job #: L0913919

**Client Information**

Client: Woodard + Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 10/08/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL

☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RI Criteria RIDEC

Other Project Specific Requirements/Comments/Detection Limits:

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs | SAMPLE HANDLING | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|
| 13919.1 | SB-29A (2'-3') | 10/1/09 | 1215 | S | GR | X | | | 1 |
| 2 | SB-29A (3'-4') | | | | | X | | | 1 |
| 3 | SB-29A (4'-5') | | | | | X | | | 1 |
| 4 | SB-29A (5'-6') | | | | | X | | | 1 |
| 5 | SB-30A (0'-1') | | 1130 | | | X | | | 1 |
| 6 | SB-30A (1'-2') | | | | | X | | | 1 |
| 7 | SB-30A (2'-3') | | | | | X | | | 1 |
| 8 | SB-30A (3'-4') | | | | | X | | | 1 |
| 9 | SB-31 (0'-1') | | 845 | | | X | | | 1 |
| 10 | SB-31 (1'-2') | | | | | X | | | 1 |

SAMPLE HANDLING

Filtration

☐ Done ☐ Not needed ☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Container Type: G

Preservative: A

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 10/1/09 1600 | | 10/1/09 1600 |
| | 10/1/09 1730 | | 10/01/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 4 OF 6

Date Rec'd in Lab: 10/01/09

ALPHA Job #: L0913919

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

10120912:24

**Client Information**

Client: Woodard + Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 10/08/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL

☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RI Criteria RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☑ No Are MCP Analytical Methods Required?

☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs | SAMPLE HANDLING | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 11 | SB-32 (0'-1') | 10/1/09 | 900 | S | GR | X | | 1 |
| 12 | SB-32 (1'-2') | | ↓ | | | X | | 1 |
| 13 | SB-33 (0'-1') | | 1000 | | | X | | 1 |
| 14 | SB-33 (1'-2') | | ↓ | | | X | | 1 |
| 15 | SB-34 (0'-1') | | 930 | | | X | | 1 |
| 16 | SB-34 (1'-2') | | ↓ | | | X | | 1 |
| 17 | SB-35 (0'-1') | | 945 | | | X | | 1 |
| 18 | SB-35 (1'-2') | | ↓ | | | X | | 1 |
| 19 | SB-36 (0'-1') | | 1030 | | | X | | 1 |
| 20 | SB-36 (1'-2') | | ↓ | | | X | | 1 |

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

Container Type G
Preservative A

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] 10/1/09 | 10/1/09 1000 | [signature] | 10/1/09 1760 |
| | 1730 | | 10/01/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L0913920 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Project Name: | 1 INDIA ST |
| Project Number: | 0222610.01 |
| Report Date: | 10/09/09 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913920
**Report Date:** 10/09/09

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0913920-01 | SB-37 (0'-1') | PROVIDENCE, RI | 10/01/09 12:30 |
| L0913920-02 | SB-37 (1'-2') | PROVIDENCE, RI | 10/01/09 12:30 |
| L0913920-03 | SB-38 (0'-1') | PROVIDENCE, RI | 10/01/09 13:00 |
| L0913920-04 | SB-38 (1'-2') | PROVIDENCE, RI | 10/01/09 13:00 |
| L0913920-05 | SB-39 (0'-1') | PROVIDENCE, RI | 10/01/09 12:00 |
| L0913920-06 | SB-39 (1'-2') | PROVIDENCE, RI | 10/01/09 12:00 |
| L0913920-07 | SB-40 (0'-1') | PROVIDENCE, RI | 10/01/09 11:45 |
| L0913920-08 | SB-40 (1'-2') | PROVIDENCE, RI | 10/01/09 11:45 |
| L0913920-09 | SB-529A (0'-1') | PROVIDENCE, RI | 10/01/09 12:15 |
| L0913920-10 | SB-529A (1'-2') | PROVIDENCE, RI | 10/01/09 12:15 |
| L0913920-11 | SB-529A (2'-3') | PROVIDENCE, RI | 10/01/09 12:15 |
| L0913920-12 | SB-529A (3'-4') | PROVIDENCE, RI | 10/01/09 12:15 |
| L0913920-13 | SB-529A (4'-5') | PROVIDENCE, RI | 10/01/09 12:15 |
| L0913920-14 | SB-529A (5'-6') | PROVIDENCE, RI | 10/01/09 12:15 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST | **Lab Number:** | L0913920 |
| **Project Number:** | 0222610.01 | **Report Date:** | 10/09/09 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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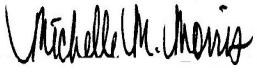
PCBs

L0913920-01 through -11 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L0913920-01 through -11 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (All at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: 

Title: Technical Director/Representative Date: 10/09/09

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-01 | Date Collected: | 10/01/09 12:30 |
| Client ID: | SB-37 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 16:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 84% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1254 | 32500 | | ug/kg | 7700 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-01 | Date Collected: | 10/01/09 12:30 |
| Client ID: | SB-37 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 16:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 84% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7700 | 200 |
| Aroclor 1221 | ND | | ug/kg | 7700 | 200 |
| Aroclor 1232 | ND | | ug/kg | 7700 | 200 |
| Aroclor 1242 | ND | | ug/kg | 7700 | 200 |
| Aroclor 1248 | 49100 | | ug/kg | 7700 | 200 |
| Aroclor 1260 | ND | | ug/kg | 7700 | 200 |
| Aroclor 1262 | ND | | ug/kg | 7700 | 200 |
| Aroclor 1268 | ND | | ug/kg | 7700 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-02 | Date Collected: | 10/01/09 12:30 |
| Client ID: | SB-37 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 16:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 83% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 24500 | | ug/kg | 3910 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-02 | Date Collected: | 10/01/09 12:30 |
| Client ID: | SB-37 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 16:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 83% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1221 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1232 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1242 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1248 | 25100 | | ug/kg | 3910 | 100 |
| Aroclor 1260 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1262 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1268 | ND | | ug/kg | 3910 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-03 | Date Collected: | 10/01/09 13:00 |
| Client ID: | SB-38 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 16:40 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 84% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7900 | 200 |
| Aroclor 1221 | ND | | ug/kg | 7900 | 200 |
| Aroclor 1232 | ND | | ug/kg | 7900 | 200 |
| Aroclor 1242 | ND | | ug/kg | 7900 | 200 |
| Aroclor 1260 | ND | | ug/kg | 7900 | 200 |
| Aroclor 1262 | ND | | ug/kg | 7900 | 200 |
| Aroclor 1268 | ND | | ug/kg | 7900 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-03 | Date Collected: | 10/01/09 13:00 |
| Client ID: | SB-38 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 16:40 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 84% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 58000 | | ug/kg | 7900 | 200 |
| Aroclor 1254 | 42800 | | ug/kg | 7900 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-04 | Date Collected: | 10/01/09 13:00 |
| Client ID: | SB-38 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 16:53 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 87% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3860 | 100 |
| Aroclor 1221 | ND | | ug/kg | 3860 | 100 |
| Aroclor 1232 | ND | | ug/kg | 3860 | 100 |
| Aroclor 1242 | ND | | ug/kg | 3860 | 100 |
| Aroclor 1248 | 31100 | | ug/kg | 3860 | 100 |
| Aroclor 1260 | ND | | ug/kg | 3860 | 100 |
| Aroclor 1262 | ND | | ug/kg | 3860 | 100 |
| Aroclor 1268 | ND | | ug/kg | 3860 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-04 | Date Collected: | 10/01/09 13:00 |
| Client ID: | SB-38 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 16:53 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 87% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 15600 | | ug/kg | 3860 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-05 | Date Collected: | 10/01/09 12:00 |
| Client ID: | SB-39 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 17:05 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 84% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 19800 | 500 |
| Aroclor 1221 | ND | | ug/kg | 19800 | 500 |
| Aroclor 1232 | ND | | ug/kg | 19800 | 500 |
| Aroclor 1242 | ND | | ug/kg | 19800 | 500 |
| Aroclor 1248 | 198000 | | ug/kg | 19800 | 500 |
| Aroclor 1260 | ND | | ug/kg | 19800 | 500 |
| Aroclor 1262 | ND | | ug/kg | 19800 | 500 |
| Aroclor 1268 | ND | | ug/kg | 19800 | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-05 | Date Collected: | 10/01/09 12:00 |
| Client ID: | SB-39 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 17:05 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 84% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 126000 | | ug/kg | 19800 | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-06 | Date Collected: | 10/01/09 12:00 |
| Client ID: | SB-39 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 17:17 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 87% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 16900 | | ug/kg | 3720 | 100 |
| Aroclor 1254 | 8790 | | ug/kg | 3720 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-06 | Date Collected: | 10/01/09 12:00 |
| Client ID: | SB-39 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 17:17 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 87% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3720 | 100 |
| Aroclor 1221 | ND | | ug/kg | 3720 | 100 |
| Aroclor 1232 | ND | | ug/kg | 3720 | 100 |
| Aroclor 1242 | ND | | ug/kg | 3720 | 100 |
| Aroclor 1260 | ND | | ug/kg | 3720 | 100 |
| Aroclor 1262 | ND | | ug/kg | 3720 | 100 |
| Aroclor 1268 | ND | | ug/kg | 3720 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-07 | Date Collected: | 10/01/09 11:45 |
| Client ID: | SB-40 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/09/09 08:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 85% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 109000 | | ug/kg | 75700 | 2000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-07 | Date Collected: | 10/01/09 11:45 |
| Client ID: | SB-40 (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/09/09 08:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 85% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 75700 | 2000 |
| Aroclor 1221 | ND | | ug/kg | 75700 | 2000 |
| Aroclor 1232 | ND | | ug/kg | 75700 | 2000 |
| Aroclor 1242 | ND | | ug/kg | 75700 | 2000 |
| Aroclor 1248 | 232000 | | ug/kg | 75700 | 2000 |
| Aroclor 1260 | ND | | ug/kg | 75700 | 2000 |
| Aroclor 1262 | ND | | ug/kg | 75700 | 2000 |
| Aroclor 1268 | ND | | ug/kg | 75700 | 2000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-08 | Date Collected: | 10/01/09 11:45 |
| Client ID: | SB-40 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 17:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 88% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 47000 | | ug/kg | 3830 | 100 |
| Aroclor 1254 | 22600 | | ug/kg | 3830 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-08 | Date Collected: | 10/01/09 11:45 |
| Client ID: | SB-40 (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 17:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 88% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3830 | 100 |
| Aroclor 1221 | ND | | ug/kg | 3830 | 100 |
| Aroclor 1232 | ND | | ug/kg | 3830 | 100 |
| Aroclor 1242 | ND | | ug/kg | 3830 | 100 |
| Aroclor 1260 | ND | | ug/kg | 3830 | 100 |
| Aroclor 1262 | ND | | ug/kg | 3830 | 100 |
| Aroclor 1268 | ND | | ug/kg | 3830 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-09 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-529A (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 17:54 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 84% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 63000 | | ug/kg | 7850 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-09 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-529A (0'-1') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 17:54 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 84% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7850 | 200 |
| Aroclor 1221 | ND | | ug/kg | 7850 | 200 |
| Aroclor 1232 | ND | | ug/kg | 7850 | 200 |
| Aroclor 1242 | ND | | ug/kg | 7850 | 200 |
| Aroclor 1248 | 104000 | | ug/kg | 7850 | 200 |
| Aroclor 1260 | ND | | ug/kg | 7850 | 200 |
| Aroclor 1262 | ND | | ug/kg | 7850 | 200 |
| Aroclor 1268 | ND | | ug/kg | 7850 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-10 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-529A (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 18:06 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 13100 | | ug/kg | 7430 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-10 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-529A (1'-2') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 18:06 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7430 | 200 |
| Aroclor 1221 | ND | | ug/kg | 7430 | 200 |
| Aroclor 1232 | ND | | ug/kg | 7430 | 200 |
| Aroclor 1242 | ND | | ug/kg | 7430 | 200 |
| Aroclor 1248 | 24600 | | ug/kg | 7430 | 200 |
| Aroclor 1260 | ND | | ug/kg | 7430 | 200 |
| Aroclor 1262 | ND | | ug/kg | 7430 | 200 |
| Aroclor 1268 | ND | | ug/kg | 7430 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-11 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-529A (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 18:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 85% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 394 | 10 |
| Aroclor 1221 | ND | | ug/kg | 394 | 10 |
| Aroclor 1232 | ND | | ug/kg | 394 | 10 |
| Aroclor 1242 | ND | | ug/kg | 394 | 10 |
| Aroclor 1248 | 1290 | | ug/kg | 394 | 10 |
| Aroclor 1260 | ND | | ug/kg | 394 | 10 |
| Aroclor 1262 | ND | | ug/kg | 394 | 10 |
| Aroclor 1268 | ND | | ug/kg | 394 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-11 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-529A (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 18:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 85% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 1080 | | ug/kg | 394 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-12 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-529A (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 00:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 83% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 214 | | ug/kg | 39.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | A |
| Decachlorobiphenyl | 105 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 102 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-12 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-529A (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:46 |
| Analytical Date: | 10/08/09 00:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 83% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.2 | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.2 | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.2 | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.2 | 1 |
| Aroclor 1248 | 519 | | ug/kg | 39.2 | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.2 | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.2 | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | A |
| Decachlorobiphenyl | 105 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 102 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-13 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-529A (4'-5') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:47 |
| Analytical Date: | 10/08/09 00:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 73% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 43.4 | 1 |
| Aroclor 1221 | ND | | ug/kg | 43.4 | 1 |
| Aroclor 1232 | ND | | ug/kg | 43.4 | 1 |
| Aroclor 1242 | ND | | ug/kg | 43.4 | 1 |
| Aroclor 1248 | 51.2 | | ug/kg | 43.4 | 1 |
| Aroclor 1254 | ND | | ug/kg | 43.4 | 1 |
| Aroclor 1260 | ND | | ug/kg | 43.4 | 1 |
| Aroclor 1262 | ND | | ug/kg | 43.4 | 1 |
| Aroclor 1268 | ND | | ug/kg | 43.4 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | A |
| Decachlorobiphenyl | 99 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | B |
| Decachlorobiphenyl | 96 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913920-14 | Date Collected: | 10/01/09 12:15 |
| Client ID: | SB-529A (5'-6') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/02/09 19:47 |
| Analytical Date: | 10/08/09 00:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/07/09 |
| Percent Solids: | 82% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.1 | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.1 | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.1 | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.1 | 1 |
| Aroclor 1248 | 329 | | ug/kg | 38.1 | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.1 | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.1 | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.1 | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 106 | | 30-150 | A |
| Decachlorobiphenyl | 125 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 | B |
| Decachlorobiphenyl | 68 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913920
**Report Date:** 10/09/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/08/09 00:51
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 10/02/09 19:46
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/07/09
Cleanup Method2: - - - -
Cleanup Date2:

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-14 Batch: WG382720-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.9 |
| Aroclor 1221 | ND | | ug/kg | 32.9 |
| Aroclor 1232 | ND | | ug/kg | 32.9 |
| Aroclor 1242 | ND | | ug/kg | 32.9 |
| Aroclor 1248 | ND | | ug/kg | 32.9 |
| Aroclor 1254 | ND | | ug/kg | 32.9 |
| Aroclor 1260 | ND | | ug/kg | 32.9 |
| Aroclor 1262 | ND | | ug/kg | 32.9 |
| Aroclor 1268 | ND | | ug/kg | 32.9 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | A |
| Decachlorobiphenyl | 101 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | B |
| Decachlorobiphenyl | 90 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST

**Project Number:** 0222610.01

**Lab Number:** L0913920

**Report Date:** 10/09/09

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-14 Batch: WG382720-2 WG382720-3 | | | | | | | | |
| Aroclor 1016 | 82 | | 89 | | 40-140 | 8 | | 50 |
| Aroclor 1260 | 100 | | 124 | | 40-140 | 21 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 86 | | 30-150 | A |
| Decachlorobiphenyl | 98 | | 115 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 80 | | 30-150 | B |
| Decachlorobiphenyl | 88 | | 91 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913920-01
Client ID: SB-37 (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 12:30
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 10/02/09 16:18 | 30,2540G | SD |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913920-02
Client ID: SB-37 (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil
Date Collected: 10/01/09 12:30
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | 1 | - | 10/02/09 16:18 | 30,2540G | SD |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913920-03
Client ID: SB-38 (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 13:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 10/02/09 16:18 | 30,2540G | SD |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913920-04
Client ID: SB-38 (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 13:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 10/02/09 16:18 | 30,2540G | SD |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913920-05
Client ID: SB-39 (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 12:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 10/02/09 16:18 | 30,2540G | SD |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913920-06
Client ID: SB-39 (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 12:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 10/02/09 16:18 | 30,2540G | SD |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913920-07
Client ID: SB-40 (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil
Date Collected: 10/01/09 11:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 10/02/09 16:18 | 30,2540G | SD |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913920-08
Client ID: SB-40 (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil
Date Collected: 10/01/09 11:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 10/02/09 16:18 | 30,2540G | SD |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913920-09
Client ID: SB-529A (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil
Date Collected: 10/01/09 12:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 10/02/09 16:18 | 30,2540G | SD |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913920-10
Client ID: SB-529A (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 12:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/02/09 16:18 | 30,2540G | SD |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913920-11
Client ID: SB-529A (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil
Date Collected: 10/01/09 12:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 10/02/09 16:18 | 30,2540G | SD |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913920-12
Client ID: SB-529A (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 12:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | 1 | - | 10/02/09 16:18 | 30,2540G | SD |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913920-13
Client ID: SB-529A (4'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 12:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 73 | | % | 0.10 | 1 | - | 10/02/09 16:18 | 30,2540G | SD |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913920
**Report Date:** 10/09/09

## SAMPLE RESULTS

Lab ID: L0913920-14
Client ID: SB-529A (5'-6')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 12:15
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | 1 | - | 10/02/09 16:18 | 30,2540G | SD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913920
**Report Date:** 10/09/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG382673-1 QC Sample: L0913920-01 Client ID: SB-37 (0'-1') | | | | | | |
| Solids, Total | 84 | 77 | % | 9 | | 20 |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913920
**Report Date:** 10/09/09

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |

### Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0913920-01A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913920-02A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913920-03A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913920-04A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913920-05A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913920-06A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913920-07A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913920-08A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913920-09A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913920-10A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913920-11A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913920-12A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913920-13A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |
| L0913920-14A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082(14),TS(7) |

*Hold days indicated by values in parentheses

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST | **Lab Number:** | L0913920 |
| **Project Number:** | 0222610.01 | **Report Date:** | 10/09/09 |

## GLOSSARY

***Acronyms***

| | |
|---|---|
| EPA | · Environmental Protection Agency. |
| LCS | · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | · Laboratory Control Sample Duplicate: Refer to LCS. |
| MS | · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | · Matrix Spike Sample Duplicate: Refer to MS. |
| NA | · Not Applicable. |
| NC | · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| ND | · Not detected at the reported detection limit for the sample. |
| NI | · Not Ignitable. |
| RDL | · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.) |
| **R** | - Analytical results are from sample re-analysis. |
| **RE** | - Analytical results are from sample re-extraction. |
| **J** | - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs). |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST | **Lab Number:** | L0913920 |
| **Project Number:** | 0222610.01 | **Report Date:** | 10/09/09 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised October 1, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Utah Department of Health** Certificate/Lab ID: AAMA. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: Chloride EPA 300.0)

**Analytes Not Accredited by NELAP**

Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene.

# CHAIN OF CUSTODY

PAGE 5 OF 6

Date Rec'd in Lab: 10/1/09

ALPHA Job #: L0913920


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


100901212:02

## Client Information

Client: Woodard + Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 10/8/09 Time:

## Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☑ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program RI Criteria RDEC

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: PCBs

SAMPLE HANDLING

Filtration

☐ Done

☐ Not needed

☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|
| 13920.1 | SB-37 (0'-1') | 10/1/09 | 1230 | S | GR | X | 1 |
| 2 | SB-37 (1'-2') | | ↓ | | | X | 1 |
| 3 | SB-38 (0'-1') | | 1300 | | | X | 1 |
| 4 | SB-38 (1'-2') | | ↓ | | | X | 1 |
| 5 | SB-39 (0'-1') | | 1200 | | | X | 1 |
| 6 | SB-39 (1'-2') | | ↓ | | | X | 1 |
| 7 | SB-40 (0'-1') | | 1145 | | | X | 1 |
| 8 | SB-40 (1'-2') | ↓ | ↓ | ↓ | ↓ | X | 1 |

| | |
|---|---|
| Container Type | G |
| Preservative | A |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 10/1/09 1600 | | 10/1/09 1600 |
| | 10/1/09 1730 | | 10/1/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 6 OF 6

Date Rec'd in Lab: 10/1/09

ALPHA Job #: L0913926

10000912:02

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193

Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

## Client Information

Client: Woodard & Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been Previously analyzed by Alpha

## Project Information

Project Name: 1 India ~~Street~~ Street

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☑ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 10/8/09 Time:

Other Project Specific Requirements/Comments/Detection Limits:

## Report Information Data Deliverables

☐ FAX ☐ EMAIL

☑ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State/Fed Program RI Criteria RDEC

## ANALYSIS

PCBs

SAMPLE HANDLING

*Filtration*

☐ Done

☐ Not Needed

☐ Lab to do

*Preservation*

☐ Lab to do

*(Please specify below)*

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|
| 9 | SB-529A (0'-1') | 10/1/09 | 1215 | S | GR | | 1 |
| 10 | SB-529A (1'-2') | | | | | | 1 |
| 11 | SB-529A (2'-3') | | | | | | 1 |
| 12 | SB-529A (3'-4') | | | | | | 1 |
| 13 | SB-529A (4'-5') | | | | | | 1 |
| 14 | SB-529A (5'-6') | | | | | | 1 |

Container Type: 6

Preservative: A

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 10/1/09 1600 | | 10/1/09 1600 |
| | 10/1/09 1730 | | 10/1/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO. 01-01(I-NJ) (rev. 29-APR-09)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L0913922 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Project Name: | 1 INDIA ST |
| Project Number: | 0222610.01 |
| Report Date: | 10/20/09 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0913922-01 | SB-21A (4'-5') | PROVIDENCE, RI | 10/01/09 11:00 |
| L0913922-02 | SB-21A (5'-6') | PROVIDENCE, RI | 10/01/09 11:00 |
| L0913922-03 | SB-26A (4'-5') | PROVIDENCE, RI | 10/01/09 11:15 |
| L0913922-04 | SB-26A (5'-6') | PROVIDENCE, RI | 10/01/09 11:15 |
| L0913922-05 | SB-28A (4'-5') | PROVIDENCE, RI | 10/01/09 10:45 |
| L0913922-06 | SB-28A (5'-6') | PROVIDENCE, RI | 10/01/09 10:45 |
| L0913922-07 | SB-30A (4'-5') | PROVIDENCE, RI | 10/01/09 11:30 |
| L0913922-08 | SB-30A (5'-6') | PROVIDENCE, RI | 10/01/09 11:30 |
| L0913922-09 | SB-31 (2'-3') | PROVIDENCE, RI | 10/01/09 08:45 |
| L0913922-10 | SB-31 (3'-4') | PROVIDENCE, RI | 10/01/09 08:45 |
| L0913922-11 | SB-31 (4'-5') | PROVIDENCE, RI | 10/01/09 08:45 |
| L0913922-12 | SB-31 (5'-6') | PROVIDENCE, RI | 10/01/09 08:45 |
| L0913922-13 | SB-32 (2'-3') | PROVIDENCE, RI | 10/01/09 09:00 |
| L0913922-14 | SB-32 (3'-4') | PROVIDENCE, RI | 10/01/09 09:00 |
| L0913922-15 | SB-32 (4'-5') | PROVIDENCE, RI | 10/01/09 09:00 |
| L0913922-16 | SB-32 (5'-6') | PROVIDENCE, RI | 10/01/09 09:00 |
| L0913922-17 | SB-33 (2'-3') | PROVIDENCE, RI | 10/01/09 10:00 |
| L0913922-18 | SB-33 (3'-4') | PROVIDENCE, RI | 10/01/09 10:00 |
| L0913922-19 | SB-33 (4'-5') | PROVIDENCE, RI | 10/01/09 10:00 |
| L0913922-20 | SB-33 (5'-6') | PROVIDENCE, RI | 10/01/09 10:00 |
| L0913922-21 | SB-34 (2'-3') | PROVIDENCE, RI | 10/01/09 09:30 |
| L0913922-22 | SB-34 (3'-4') | PROVIDENCE, RI | 10/01/09 09:30 |
| L0913922-23 | SB-34 (4'-5') | PROVIDENCE, RI | 10/01/09 09:30 |
| L0913922-24 | SB-34 (5'-6') | PROVIDENCE, RI | 10/01/09 09:30 |
| L0913922-25 | SB-35 (2'-3') | PROVIDENCE, RI | 10/01/09 09:45 |
| L0913922-26 | SB-35 (3'-4') | PROVIDENCE, RI | 10/01/09 09:45 |
| L0913922-27 | SB-35 (4'-5') | PROVIDENCE, RI | 10/01/09 09:45 |
| L0913922-28 | SB-35 (5'-6') | PROVIDENCE, RI | 10/01/09 09:45 |
| L0913922-29 | SB-36 (2'-3') | PROVIDENCE, RI | 10/01/09 10:30 |
| L0913922-30 | SB-36 (3'-4') | PROVIDENCE, RI | 10/01/09 10:30 |
| L0913922-31 | SB-36 (4'-5') | PROVIDENCE, RI | 10/01/09 10:30 |

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0913922-32 | SB-36 (5'-6') | PROVIDENCE, RI | 10/01/09 10:30 |
| L0913922-33 | SB-37 (2'-3') | PROVIDENCE, RI | 10/01/09 12:30 |
| L0913922-34 | SB-37 (3'-4') | PROVIDENCE, RI | 10/01/09 12:30 |
| L0913922-35 | SB-37 (4'-5') | PROVIDENCE, RI | 10/01/09 12:30 |
| L0913922-36 | SB-37 (5'-6') | PROVIDENCE, RI | 10/01/09 12:30 |
| L0913922-37 | SB-38 (2'-3') | PROVIDENCE, RI | 10/01/09 13:00 |
| L0913922-38 | SB-38 (3'-4') | PROVIDENCE, RI | 10/01/09 13:00 |
| L0913922-39 | SB-38 (4'-5') | PROVIDENCE, RI | 10/01/09 13:00 |
| L0913922-40 | SB-38 (5'-6') | PROVIDENCE, RI | 10/01/09 13:00 |
| L0913922-41 | SB-39 (2'-3') | PROVIDENCE, RI | 10/01/09 12:00 |
| L0913922-42 | SB-39 (3'-4') | PROVIDENCE, RI | 10/01/09 12:00 |
| L0913922-43 | SB-39 (4'-5') | PROVIDENCE, RI | 10/01/09 12:00 |
| L0913922-44 | SB-39 (5'-6') | PROVIDENCE, RI | 10/01/09 12:00 |
| L0913922-45 | SB-40 (2'-3') | PROVIDENCE, RI | 10/01/09 11:45 |
| L0913922-46 | SB-40 (3'-4') | PROVIDENCE, RI | 10/01/09 11:45 |
| L0913922-47 | SB-40 (4'-5') | PROVIDENCE, RI | 10/01/09 11:45 |
| L0913922-48 | SB-40 (5'-6') | PROVIDENCE, RI | 10/01/09 11:45 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST | **Lab Number:** | L0913922 |
| **Project Number:** | 0222610.01 | **Report Date:** | 10/20/09 |

**Case Narrative**

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L0913922-09 through -12, -15, -16, -19, -20, -25 through -30, -33, -34, -37, -38, -41, -45 and -46 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L0913922-09 through -12, -15, -16, -19, -20, -25 through -30, -33, -34, -37, -38, -41, -45 and -46 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analysis are reported.

The dual column RPD for L0913922-10 is above the acceptance criteria for Aroclor 1254; however, no obvious

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST | **Lab Number:** | L0913922 |
| **Project Number:** | 0222610.01 | **Report Date:** | 10/20/09 |

**Case Narrative (continued)**

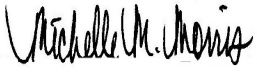
column interferences are present. The results have been qualified with a "P".

The WG384319-1 Method Blank associated with L0913922-09 through -12, -15, -16, -19, -20, -25, -26 and -27 has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B".

The WG384323-1 Method Blank associated with L0913922-28, -29, 30, -33, -34, -37, -41, -45 and -46 has a concentration above the reporting limit for Aroclor 1248. The results of the original analyses are reported and are qualified with a "B".

The WG384812-2/-3 LCS/LCSD RPD associated with L0913922-05, -06, -23, -24, -38 and -42 is above the acceptance criteria for Aroclor 1016 (58%); however, the individual LCS/LCSD recoveries are within method limits. The results of the associated samples are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: 

Title: Technical Director/Representative Date: 10/20/09

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-05 | Date Collected: | 10/01/09 10:45 |
| Client ID: | SB-28A (4'-5') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/17/09 09:06 |
| Analytical Date: | 10/20/09 02:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/17/09 |
| Percent Solids: | 90% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1248 | 69.4 | | ug/kg | 37.1 | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | A |
| Decachlorobiphenyl | 100 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | B |
| Decachlorobiphenyl | 86 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-06 | Date Collected: | 10/01/09 10:45 |
| Client ID: | SB-28A (5'-6') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/17/09 09:06 |
| Analytical Date: | 10/20/09 02:38 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/17/09 |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.8 | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.8 | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.8 | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.8 | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.8 | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.8 | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.8 | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.8 | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.8 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | A |
| Decachlorobiphenyl | 88 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 | B |
| Decachlorobiphenyl | 73 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-09 | Date Collected: | 10/01/09 08:45 |
| Client ID: | SB-31 (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:54 |
| Analytical Date: | 10/19/09 23:21 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 186000 | 5000 |
| Aroclor 1221 | ND | | ug/kg | 186000 | 5000 |
| Aroclor 1232 | ND | | ug/kg | 186000 | 5000 |
| Aroclor 1242 | ND | | ug/kg | 186000 | 5000 |
| Aroclor 1248 | 1020000 | B | ug/kg | 186000 | 5000 |
| Aroclor 1260 | ND | | ug/kg | 186000 | 5000 |
| Aroclor 1262 | ND | | ug/kg | 186000 | 5000 |
| Aroclor 1268 | ND | | ug/kg | 186000 | 5000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-09 | Date Collected: | 10/01/09 08:45 |
| Client ID: | SB-31 (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:54 |
| Analytical Date: | 10/19/09 23:21 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 320000 | | ug/kg | 186000 | 5000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-10 | Date Collected: | 10/01/09 08:45 |
| Client ID: | SB-31 (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:54 |
| Analytical Date: | 10/16/09 14:09 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3820 | 100 |
| Aroclor 1221 | ND | | ug/kg | 3820 | 100 |
| Aroclor 1232 | ND | | ug/kg | 3820 | 100 |
| Aroclor 1242 | ND | | ug/kg | 3820 | 100 |
| Aroclor 1248 | 32500 | B | ug/kg | 3820 | 100 |
| Aroclor 1260 | ND | | ug/kg | 3820 | 100 |
| Aroclor 1262 | ND | | ug/kg | 3820 | 100 |
| Aroclor 1268 | ND | | ug/kg | 3820 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-10 | Date Collected: | 10/01/09 08:45 |
| Client ID: | SB-31 (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:54 |
| Analytical Date: | 10/16/09 14:09 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1254 | 11300 | P | ug/kg | 3820 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-11 | Date Collected: | 10/01/09 08:45 |
| Client ID: | SB-31 (4'-5') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:54 |
| Analytical Date: | 10/16/09 14:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 84% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1940 | 50 |
| Aroclor 1221 | ND | | ug/kg | 1940 | 50 |
| Aroclor 1232 | ND | | ug/kg | 1940 | 50 |
| Aroclor 1242 | ND | | ug/kg | 1940 | 50 |
| Aroclor 1260 | ND | | ug/kg | 1940 | 50 |
| Aroclor 1262 | ND | | ug/kg | 1940 | 50 |
| Aroclor 1268 | ND | | ug/kg | 1940 | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-11 | Date Collected: | 10/01/09 08:45 |
| Client ID: | SB-31 (4'-5') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:54 |
| Analytical Date: | 10/16/09 14:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 84% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 9730 | B | ug/kg | 1940 | 50 |
| Aroclor 1254 | 2740 | | ug/kg | 1940 | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
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**Lab Number:** L0913922
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-12 | Date Collected: | 10/01/09 08:45 |
| Client ID: | SB-31 (5'-6') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:54 |
| Analytical Date: | 10/16/09 14:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 90% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 357 | 10 |
| Aroclor 1221 | ND | | ug/kg | 357 | 10 |
| Aroclor 1232 | ND | | ug/kg | 357 | 10 |
| Aroclor 1242 | ND | | ug/kg | 357 | 10 |
| Aroclor 1254 | ND | | ug/kg | 357 | 10 |
| Aroclor 1260 | ND | | ug/kg | 357 | 10 |
| Aroclor 1262 | ND | | ug/kg | 357 | 10 |
| Aroclor 1268 | ND | | ug/kg | 357 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-12 | Date Collected: | 10/01/09 08:45 |
| Client ID: | SB-31 (5'-6') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:54 |
| Analytical Date: | 10/16/09 14:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 90% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 1320 | B | ug/kg | 357 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-15 | Date Collected: | 10/01/09 09:00 |
| Client ID: | SB-32 (4'-5') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:54 |
| Analytical Date: | 10/20/09 10:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 31000000 | | ug/kg | 18500000 | 500000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-15 | Date Collected: | 10/01/09 09:00 |
| Client ID: | SB-32 (4'-5') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:54 |
| Analytical Date: | 10/20/09 10:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 18500000 | 500000 |
| Aroclor 1221 | ND | | ug/kg | 18500000 | 500000 |
| Aroclor 1232 | ND | | ug/kg | 18500000 | 500000 |
| Aroclor 1242 | ND | | ug/kg | 18500000 | 500000 |
| Aroclor 1248 | 94500000 | B | ug/kg | 18500000 | 500000 |
| Aroclor 1260 | ND | | ug/kg | 18500000 | 500000 |
| Aroclor 1262 | ND | | ug/kg | 18500000 | 500000 |
| Aroclor 1268 | ND | | ug/kg | 18500000 | 500000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-16 | Date Collected: | 10/01/09 09:00 |
| Client ID: | SB-32 (5'-6') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:54 |
| Analytical Date: | 10/19/09 23:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 6040000 | | ug/kg | 3820000 | 100000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-16 | Date Collected: | 10/01/09 09:00 |
| Client ID: | SB-32 (5'-6') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:54 |
| Analytical Date: | 10/19/09 23:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3820000 | 100000 |
| Aroclor 1221 | ND | | ug/kg | 3820000 | 100000 |
| Aroclor 1232 | ND | | ug/kg | 3820000 | 100000 |
| Aroclor 1242 | ND | | ug/kg | 3820000 | 100000 |
| Aroclor 1248 | 19000000 | B | ug/kg | 3820000 | 100000 |
| Aroclor 1260 | ND | | ug/kg | 3820000 | 100000 |
| Aroclor 1262 | ND | | ug/kg | 3820000 | 100000 |
| Aroclor 1268 | ND | | ug/kg | 3820000 | 100000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-19 | Date Collected: | 10/01/09 10:00 |
| Client ID: | SB-33 (4'-5') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:54 |
| Analytical Date: | 10/16/09 15:23 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 78% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 4110 | 100 |
| Aroclor 1221 | ND | | ug/kg | 4110 | 100 |
| Aroclor 1232 | ND | | ug/kg | 4110 | 100 |
| Aroclor 1242 | ND | | ug/kg | 4110 | 100 |
| Aroclor 1248 | 53900 | B | ug/kg | 4110 | 100 |
| Aroclor 1254 | 20100 | | ug/kg | 4110 | 100 |
| Aroclor 1260 | ND | | ug/kg | 4110 | 100 |
| Aroclor 1262 | ND | | ug/kg | 4110 | 100 |
| Aroclor 1268 | ND | | ug/kg | 4110 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-20 | Date Collected: | 10/01/09 10:00 |
| Client ID: | SB-33 (5'-6') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:54 |
| Analytical Date: | 10/16/09 15:35 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 68% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1254 | 1810 | | ug/kg | 479 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-20 | Date Collected: | 10/01/09 10:00 |
| Client ID: | SB-33 (5'-6') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:54 |
| Analytical Date: | 10/16/09 15:35 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 68% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 479 | 10 |
| Aroclor 1221 | ND | | ug/kg | 479 | 10 |
| Aroclor 1232 | ND | | ug/kg | 479 | 10 |
| Aroclor 1242 | ND | | ug/kg | 479 | 10 |
| Aroclor 1248 | 6400 | B | ug/kg | 479 | 10 |
| Aroclor 1260 | ND | | ug/kg | 479 | 10 |
| Aroclor 1262 | ND | | ug/kg | 479 | 10 |
| Aroclor 1268 | ND | | ug/kg | 479 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-23 | Date Collected: | 10/01/09 09:30 |
| Client ID: | SB-34 (4'-5') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/17/09 09:06 |
| Analytical Date: | 10/20/09 02:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/17/09 |
| Percent Solids: | 88% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1248 | 66.9 | | ug/kg | 37.1 | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 | A |
| Decachlorobiphenyl | 64 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 | B |
| Decachlorobiphenyl | 66 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-24 | Date Collected: | 10/01/09 09:30 |
| Client ID: | SB-34 (5'-6') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/17/09 09:06 |
| Analytical Date: | 10/20/09 03:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/17/09 |
| Percent Solids: | 84% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1254 | 55.2 | | ug/kg | 38.9 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 51 | | 30-150 | A |
| Decachlorobiphenyl | 70 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 52 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-24 | Date Collected: | 10/01/09 09:30 |
| Client ID: | SB-34 (5'-6') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/17/09 09:06 |
| Analytical Date: | 10/20/09 03:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/17/09 |
| Percent Solids: | 84% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.9 | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.9 | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.9 | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.9 | 1 |
| Aroclor 1248 | 156 | | ug/kg | 38.9 | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.9 | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.9 | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.9 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 51 | | 30-150 | A |
| Decachlorobiphenyl | 70 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 52 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-25 | Date Collected: | 10/01/09 09:45 |
| Client ID: | SB-35 (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:55 |
| Analytical Date: | 10/19/09 23:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 84% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 3020000 | | ug/kg | 976000 | 25000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-25 | Date Collected: | 10/01/09 09:45 |
| Client ID: | SB-35 (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:55 |
| Analytical Date: | 10/19/09 23:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 84% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 976000 | 25000 |
| Aroclor 1221 | ND | | ug/kg | 976000 | 25000 |
| Aroclor 1232 | ND | | ug/kg | 976000 | 25000 |
| Aroclor 1242 | ND | | ug/kg | 976000 | 25000 |
| Aroclor 1248 | 8160000 | B | ug/kg | 976000 | 25000 |
| Aroclor 1260 | ND | | ug/kg | 976000 | 25000 |
| Aroclor 1262 | ND | | ug/kg | 976000 | 25000 |
| Aroclor 1268 | ND | | ug/kg | 976000 | 25000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-26 | Date Collected: | 10/01/09 09:45 |
| Client ID: | SB-35 (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:55 |
| Analytical Date: | 10/20/09 00:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 2150000 | | ug/kg | 740000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-26 | Date Collected: | 10/01/09 09:45 |
| Client ID: | SB-35 (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:55 |
| Analytical Date: | 10/20/09 00:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 740000 | 20000 |
| Aroclor 1221 | ND | | ug/kg | 740000 | 20000 |
| Aroclor 1232 | ND | | ug/kg | 740000 | 20000 |
| Aroclor 1242 | ND | | ug/kg | 740000 | 20000 |
| Aroclor 1248 | 4840000 | B | ug/kg | 740000 | 20000 |
| Aroclor 1260 | ND | | ug/kg | 740000 | 20000 |
| Aroclor 1262 | ND | | ug/kg | 740000 | 20000 |
| Aroclor 1268 | ND | | ug/kg | 740000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-27 | Date Collected: | 10/01/09 09:45 |
| Client ID: | SB-35 (4'-5') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:59 |
| Analytical Date: | 10/20/09 00:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 2410000 | B | ug/kg | 758000 | 20000 |
| Aroclor 1254 | 1080000 | | ug/kg | 758000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-27 | Date Collected: | 10/01/09 09:45 |
| Client ID: | SB-35 (4'-5') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 11:59 |
| Analytical Date: | 10/20/09 00:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/14/09 |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 758000 | 20000 |
| Aroclor 1221 | ND | | ug/kg | 758000 | 20000 |
| Aroclor 1232 | ND | | ug/kg | 758000 | 20000 |
| Aroclor 1242 | ND | | ug/kg | 758000 | 20000 |
| Aroclor 1260 | ND | | ug/kg | 758000 | 20000 |
| Aroclor 1262 | ND | | ug/kg | 758000 | 20000 |
| Aroclor 1268 | ND | | ug/kg | 758000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-28 | Date Collected: | 10/01/09 09:45 |
| Client ID: | SB-35 (5'-6') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 12:04 |
| Analytical Date: | 10/16/09 16:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/15/09 |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1810 | 50 |
| Aroclor 1221 | ND | | ug/kg | 1810 | 50 |
| Aroclor 1232 | ND | | ug/kg | 1810 | 50 |
| Aroclor 1242 | ND | | ug/kg | 1810 | 50 |
| Aroclor 1248 | 9070 | B | ug/kg | 1810 | 50 |
| Aroclor 1260 | ND | | ug/kg | 1810 | 50 |
| Aroclor 1262 | ND | | ug/kg | 1810 | 50 |
| Aroclor 1268 | ND | | ug/kg | 1810 | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-28 | Date Collected: | 10/01/09 09:45 |
| Client ID: | SB-35 (5'-6') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 12:04 |
| Analytical Date: | 10/16/09 16:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/15/09 |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1254 | 3890 | | ug/kg | 1810 | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-29 | Date Collected: | 10/01/09 10:30 |
| Client ID: | SB-36 (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 12:04 |
| Analytical Date: | 10/16/09 16:37 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/15/09 |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1254 | 6740 | | ug/kg | 1820 | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-29 | Date Collected: | 10/01/09 10:30 |
| Client ID: | SB-36 (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 12:04 |
| Analytical Date: | 10/16/09 16:37 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/15/09 |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1820 | 50 |
| Aroclor 1221 | ND | | ug/kg | 1820 | 50 |
| Aroclor 1232 | ND | | ug/kg | 1820 | 50 |
| Aroclor 1242 | ND | | ug/kg | 1820 | 50 |
| Aroclor 1248 | 8670 | B | ug/kg | 1820 | 50 |
| Aroclor 1260 | ND | | ug/kg | 1820 | 50 |
| Aroclor 1262 | ND | | ug/kg | 1820 | 50 |
| Aroclor 1268 | ND | | ug/kg | 1820 | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-30 | Date Collected: | 10/01/09 10:30 |
| Client ID: | SB-36 (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 12:04 |
| Analytical Date: | 10/16/09 16:49 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/15/09 |
| Percent Solids: | 88% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1254 | 597 | | ug/kg | 361 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-30 | Date Collected: | 10/01/09 10:30 |
| Client ID: | SB-36 (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 12:04 |
| Analytical Date: | 10/16/09 16:49 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/15/09 |
| Percent Solids: | 88% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 361 | 10 |
| Aroclor 1221 | ND | | ug/kg | 361 | 10 |
| Aroclor 1232 | ND | | ug/kg | 361 | 10 |
| Aroclor 1242 | ND | | ug/kg | 361 | 10 |
| Aroclor 1248 | 1060 | B | ug/kg | 361 | 10 |
| Aroclor 1260 | ND | | ug/kg | 361 | 10 |
| Aroclor 1262 | ND | | ug/kg | 361 | 10 |
| Aroclor 1268 | ND | | ug/kg | 361 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-33 | Date Collected: | 10/01/09 12:30 |
| Client ID: | SB-37 (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 12:04 |
| Analytical Date: | 10/16/09 17:01 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/15/09 |
| Percent Solids: | 90% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1254 | 8410 | | ug/kg | 1820 | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-33 | Date Collected: | 10/01/09 12:30 |
| Client ID: | SB-37 (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 12:04 |
| Analytical Date: | 10/16/09 17:01 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/15/09 |
| Percent Solids: | 90% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1820 | 50 |
| Aroclor 1221 | ND | | ug/kg | 1820 | 50 |
| Aroclor 1232 | ND | | ug/kg | 1820 | 50 |
| Aroclor 1242 | ND | | ug/kg | 1820 | 50 |
| Aroclor 1248 | 6680 | B | ug/kg | 1820 | 50 |
| Aroclor 1260 | ND | | ug/kg | 1820 | 50 |
| Aroclor 1262 | ND | | ug/kg | 1820 | 50 |
| Aroclor 1268 | ND | | ug/kg | 1820 | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-34 | Date Collected: | 10/01/09 12:30 |
| Client ID: | SB-37 (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 12:04 |
| Analytical Date: | 10/16/09 17:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/15/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 1680 | B | ug/kg | 372 | 10 |
| Aroclor 1254 | 787 | | ug/kg | 372 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-34 | Date Collected: | 10/01/09 12:30 |
| Client ID: | SB-37 (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 12:04 |
| Analytical Date: | 10/16/09 17:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/15/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 372 | 10 |
| Aroclor 1221 | ND | | ug/kg | 372 | 10 |
| Aroclor 1232 | ND | | ug/kg | 372 | 10 |
| Aroclor 1242 | ND | | ug/kg | 372 | 10 |
| Aroclor 1260 | ND | | ug/kg | 372 | 10 |
| Aroclor 1262 | ND | | ug/kg | 372 | 10 |
| Aroclor 1268 | ND | | ug/kg | 372 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-37 | Date Collected: | 10/01/09 13:00 |
| Client ID: | SB-38 (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 12:04 |
| Analytical Date: | 10/20/09 00:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/15/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 368 | | ug/kg | 362 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-37 | Date Collected: | 10/01/09 13:00 |
| Client ID: | SB-38 (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 12:04 |
| Analytical Date: | 10/20/09 00:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/15/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 362 | 10 |
| Aroclor 1221 | ND | | ug/kg | 362 | 10 |
| Aroclor 1232 | ND | | ug/kg | 362 | 10 |
| Aroclor 1242 | ND | | ug/kg | 362 | 10 |
| Aroclor 1248 | 1120 | B | ug/kg | 362 | 10 |
| Aroclor 1260 | ND | | ug/kg | 362 | 10 |
| Aroclor 1262 | ND | | ug/kg | 362 | 10 |
| Aroclor 1268 | ND | | ug/kg | 362 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-38 | Date Collected: | 10/01/09 13:00 |
| Client ID: | SB-38 (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/17/09 09:06 |
| Analytical Date: | 10/20/09 10:40 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/17/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 1970 | | ug/kg | 401 | 10 |
| Aroclor 1254 | 572 | | ug/kg | 401 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-38 | Date Collected: | 10/01/09 13:00 |
| Client ID: | SB-38 (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/17/09 09:06 |
| Analytical Date: | 10/20/09 10:40 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/17/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 401 | 10 |
| Aroclor 1221 | ND | | ug/kg | 401 | 10 |
| Aroclor 1232 | ND | | ug/kg | 401 | 10 |
| Aroclor 1242 | ND | | ug/kg | 401 | 10 |
| Aroclor 1260 | ND | | ug/kg | 401 | 10 |
| Aroclor 1262 | ND | | ug/kg | 401 | 10 |
| Aroclor 1268 | ND | | ug/kg | 401 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-41 | Date Collected: | 10/01/09 12:00 |
| Client ID: | SB-39 (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 12:04 |
| Analytical Date: | 10/20/09 00:47 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/15/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 364 | 10 |
| Aroclor 1221 | ND | | ug/kg | 364 | 10 |
| Aroclor 1232 | ND | | ug/kg | 364 | 10 |
| Aroclor 1242 | ND | | ug/kg | 364 | 10 |
| Aroclor 1248 | 635 | B | ug/kg | 364 | 10 |
| Aroclor 1254 | ND | | ug/kg | 364 | 10 |
| Aroclor 1260 | ND | | ug/kg | 364 | 10 |
| Aroclor 1262 | ND | | ug/kg | 364 | 10 |
| Aroclor 1268 | ND | | ug/kg | 364 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-42 | Date Collected: | 10/01/09 12:00 |
| Client ID: | SB-39 (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/17/09 09:06 |
| Analytical Date: | 10/20/09 03:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/17/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1254 | 47.6 | | ug/kg | 38.4 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 | A |
| Decachlorobiphenyl | 78 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 | B |
| Decachlorobiphenyl | 74 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-42 | Date Collected: | 10/01/09 12:00 |
| Client ID: | SB-39 (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/17/09 09:06 |
| Analytical Date: | 10/20/09 03:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/17/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.4 | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.4 | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.4 | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.4 | 1 |
| Aroclor 1248 | 93.0 | | ug/kg | 38.4 | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.4 | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.4 | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.4 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 | A |
| Decachlorobiphenyl | 78 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 | B |
| Decachlorobiphenyl | 74 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-45 | Date Collected: | 10/01/09 11:45 |
| Client ID: | SB-40 (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 12:04 |
| Analytical Date: | 10/20/09 00:59 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/15/09 |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 969 | | ug/kg | 764 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-45 | Date Collected: | 10/01/09 11:45 |
| Client ID: | SB-40 (2'-3') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 12:04 |
| Analytical Date: | 10/20/09 00:59 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/15/09 |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 764 | 20 |
| Aroclor 1221 | ND | | ug/kg | 764 | 20 |
| Aroclor 1232 | ND | | ug/kg | 764 | 20 |
| Aroclor 1242 | ND | | ug/kg | 764 | 20 |
| Aroclor 1248 | 2460 | B | ug/kg | 764 | 20 |
| Aroclor 1260 | ND | | ug/kg | 764 | 20 |
| Aroclor 1262 | ND | | ug/kg | 764 | 20 |
| Aroclor 1268 | ND | | ug/kg | 764 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-46 | Date Collected: | 10/01/09 11:45 |
| Client ID: | SB-40 (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 12:04 |
| Analytical Date: | 10/20/09 01:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/15/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1254 | 1850 | | ug/kg | 739 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0913922-46 | Date Collected: | 10/01/09 11:45 |
| Client ID: | SB-40 (3'-4') | Date Received: | 10/01/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/14/09 12:04 |
| Analytical Date: | 10/20/09 01:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/15/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 739 | 20 |
| Aroclor 1221 | ND | | ug/kg | 739 | 20 |
| Aroclor 1232 | ND | | ug/kg | 739 | 20 |
| Aroclor 1242 | ND | | ug/kg | 739 | 20 |
| Aroclor 1248 | 4400 | B | ug/kg | 739 | 20 |
| Aroclor 1260 | ND | | ug/kg | 739 | 20 |
| Aroclor 1262 | ND | | ug/kg | 739 | 20 |
| Aroclor 1268 | ND | | ug/kg | 739 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/15/09 16:51
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 10/14/09 11:54
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/14/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 09-12,15-16,19-20,25-27 Batch: WG384319-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.1 |
| Aroclor 1221 | ND | | ug/kg | 32.1 |
| Aroclor 1232 | ND | | ug/kg | 32.1 |
| Aroclor 1242 | ND | | ug/kg | 32.1 |
| Aroclor 1248 | 41.9 | | ug/kg | 32.1 |
| Aroclor 1254 | ND | | ug/kg | 32.1 |
| Aroclor 1260 | ND | | ug/kg | 32.1 |
| Aroclor 1262 | ND | | ug/kg | 32.1 |
| Aroclor 1268 | ND | | ug/kg | 32.1 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 45 | | 30-150 | A |
| Decachlorobiphenyl | 93 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 30-150 | B |
| Decachlorobiphenyl | 104 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/15/09 20:45
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 10/14/09 12:04
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/15/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 28-30,33-34,37,41,45-46 Batch: WG384323-1 | | | | |
| Aroclor 1248 | 63.3 | | ug/kg | 32.6 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | A |
| Decachlorobiphenyl | 80 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | B |
| Decachlorobiphenyl | 103 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/15/09 20:45
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 10/14/09 12:04
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/15/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 28-30,33-34,37,41,45-46 Batch: WG384323-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.6 |
| Aroclor 1221 | ND | | ug/kg | 32.6 |
| Aroclor 1232 | ND | | ug/kg | 32.6 |
| Aroclor 1242 | ND | | ug/kg | 32.6 |
| Aroclor 1254 | ND | | ug/kg | 32.6 |
| Aroclor 1260 | ND | | ug/kg | 32.6 |
| Aroclor 1262 | ND | | ug/kg | 32.6 |
| Aroclor 1268 | ND | | ug/kg | 32.6 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | A |
| Decachlorobiphenyl | 80 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | B |
| Decachlorobiphenyl | 103 | | 30-150 | B |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/20/09 01:48
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 10/17/09 09:06
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/17/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 05-06,23-24,38,42 Batch: WG384812-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.4 |
| Aroclor 1221 | ND | | ug/kg | 33.4 |
| Aroclor 1232 | ND | | ug/kg | 33.4 |
| Aroclor 1242 | ND | | ug/kg | 33.4 |
| Aroclor 1248 | ND | | ug/kg | 33.4 |
| Aroclor 1254 | ND | | ug/kg | 33.4 |
| Aroclor 1260 | ND | | ug/kg | 33.4 |
| Aroclor 1262 | ND | | ug/kg | 33.4 |
| Aroclor 1268 | ND | | ug/kg | 33.4 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 51 | | 30-150 | A |
| Decachlorobiphenyl | 76 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 | B |
| Decachlorobiphenyl | 75 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 09-12,15-16,19-20,25-27 Batch: WG384319-2 WG384319-3 | | | | | | | | |
| Aroclor 1016 | 75 | | 83 | | 40-140 | 10 | | 50 |
| Aroclor 1260 | 79 | | 84 | | 40-140 | 6 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 69 | | 30-150 | A |
| Decachlorobiphenyl | 115 | | 127 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 76 | | 30-150 | B |
| Decachlorobiphenyl | 134 | | 147 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 28-30,33-34,37,41,45-46 Batch: WG384323-2 WG384323-3 | | | | | | | | |
| Aroclor 1016 | 71 | | 67 | | 40-140 | 6 | | 50 |
| Aroclor 1260 | 71 | | 83 | | 40-140 | 16 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 52 | | 30-150 | A |
| Decachlorobiphenyl | 94 | | 97 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 59 | | 30-150 | B |
| Decachlorobiphenyl | 95 | | 117 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST

**Project Number:** 0222610.01

**Lab Number:** L0913922

**Report Date:** 10/20/09

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 05-06,23-24,38,42 Batch: WG384812-2 WG384812-3 | | | | | | | | |
| Aroclor 1016 | 94 | | 52 | | 40-140 | **58** | Q | 50 |
| Aroclor 1260 | 66 | | 52 | | 40-140 | 24 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 48 | | 30-150 | A |
| Decachlorobiphenyl | 79 | | 77 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 51 | | 30-150 | B |
| Decachlorobiphenyl | 79 | | 78 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-05
Client ID: SB-28A (4'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 10:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 10/14/09 17:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-06
Client ID: SB-28A (5'-6')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 10:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 10/14/09 17:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-09
Client ID: SB-31 (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 08:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 10/14/09 17:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-10
Client ID: SB-31 (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil
Date Collected: 10/01/09 08:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/14/09 17:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-11
Client ID: SB-31 (4'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 08:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 10/14/09 17:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-12
Client ID: SB-31 (5'-6')
Sample Location: PROVIDENCE, RI
Matrix: Soil
Date Collected: 10/01/09 08:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 10/14/09 17:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-15
Client ID: SB-32 (4'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/14/09 17:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-16
Client ID: SB-32 (5'-6')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/14/09 17:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-19
Client ID: SB-33 (4'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 10:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 78 | | % | 0.10 | 1 | - | 10/14/09 17:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-20
Client ID: SB-33 (5'-6')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 10:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 68 | | % | 0.10 | 1 | - | 10/14/09 17:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-23
Client ID: SB-34 (4'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:30
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 10/14/09 17:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-24
Client ID: SB-34 (5'-6')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:30
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 10/14/09 17:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-25
Client ID: SB-35 (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 10/14/09 17:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-26
Client ID: SB-35 (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil
Date Collected: 10/01/09 09:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 10/14/09 17:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-27
Client ID: SB-35 (4'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 10/14/09 17:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-28
Client ID: SB-35 (5'-6')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 09:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | 1 | - | 10/14/09 23:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-29
Client ID: SB-36 (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 10:30
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | 1 | - | 10/14/09 23:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-30
Client ID: SB-36 (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 10:30
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 10/14/09 23:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-33
Client ID: SB-37 (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 12:30
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 10/14/09 23:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-34
Client ID: SB-37 (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil
Date Collected: 10/01/09 12:30
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 10/14/09 23:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-37
Client ID: SB-38 (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 13:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 10/14/09 23:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-38
Client ID: SB-38 (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 13:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/14/09 23:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01
**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-41
Client ID: SB-39 (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil
Date Collected: 10/01/09 12:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 10/14/09 23:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-42
Client ID: SB-39 (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 12:00
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/14/09 23:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-45
Client ID: SB-40 (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 11:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 10/14/09 23:20 | 30,2540G | BH |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## SAMPLE RESULTS

Lab ID: L0913922-46
Client ID: SB-40 (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/01/09 11:45
Date Received: 10/01/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 10/14/09 23:20 | 30,2540G | BH |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 05-06,09-12,15-16,19-20,23-27 QC Batch ID: WG384377-1 QC Sample: L0913922-05 Client ID: SB-28A (4'-5') | | | | | | |
| Solids, Total | 90 | 90 | % | 0 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 28-30,33-34,37-38,41-42,45-46 QC Batch ID: WG384404-1 QC Sample: L0913922-28 Client ID: SB-35 (5'-6') | | | | | | |
| Solids, Total | 89 | 89 | % | 0 | | 20 |

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |

### Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0913922-01A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | HOLD(14) |
| L0913922-02A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | HOLD(14) |
| L0913922-03A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | HOLD(14) |
| L0913922-04A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | HOLD(14) |
| L0913922-05A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-06A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-07A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | HOLD(14) |
| L0913922-08A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | HOLD(14) |
| L0913922-09A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-10A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-11A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-12A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-13A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | HOLD(14) |
| L0913922-14A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | HOLD(14) |
| L0913922-15A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-16A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-17A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | HOLD(14) |
| L0913922-18A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | HOLD(14) |
| L0913922-19A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-20A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-21A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | HOLD(14) |
| L0913922-22A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | HOLD(14) |
| L0913922-23A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-24A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-25A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-26A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-27A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-28A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-29A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-30A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |

*Hold days indicated by values in parentheses

**Project Name:** 1 INDIA ST
**Project Number:** 0222610.01

**Lab Number:** L0913922
**Report Date:** 10/20/09

## Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0913922-31A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | S-EXT-8082(14) |
| L0913922-32A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | S-EXT-8082(14) |
| L0913922-33A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-34A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-35A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | S-EXT-8082(14) |
| L0913922-36A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | S-EXT-8082(14) |
| L0913922-37A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-38A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-39A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | S-EXT-8082(14) |
| L0913922-40A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | S-EXT-8082(14) |
| L0913922-41A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-42A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-43A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | S-EXT-8082(14) |
| L0913922-44A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | S-EXT-8082(14) |
| L0913922-45A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-46A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | PCB-8082(14),TS(7) |
| L0913922-47A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | S-EXT-8082(14) |
| L0913922-48A | Amber 250ml unpreserved | A | N/A | 2.9 | Y | Absent | S-EXT-8082(14) |

*Hold days indicated by values in parentheses

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST | **Lab Number:** | L0913922 |
| **Project Number:** | 0222610.01 | **Report Date:** | 10/20/09 |

## GLOSSARY

***Acronyms***

| | |
|---|---|
| EPA | · Environmental Protection Agency. |
| LCS | · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | · Laboratory Control Sample Duplicate: Refer to LCS. |
| MS | · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | · Matrix Spike Sample Duplicate: Refer to MS. |
| NA | · Not Applicable. |
| NC | · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| ND | · Not detected at the reported detection limit for the sample. |
| NI | · Not Ignitable. |
| RDL | · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.) |
| **R** | - Analytical results are from sample re-analysis. |
| **RE** | - Analytical results are from sample re-extraction. |
| **J** | - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs). |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST | **Lab Number:** | L0913922 |
| **Project Number:** | 0222610.01 | **Report Date:** | 10/20/09 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised October 19, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Utah Department of Health** Certificate/Lab ID: AAMA. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: Chloride EPA 300.0)

**Analytes Not Accredited by NELAP**

Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes. **EPA 625:** 4-Chloroaniline.

# CHAIN OF CUSTODY

PAGE 1 OF 5

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 10/1/09

ALPHA Job #: L0913922

## Client Information

Client: Woodard + Curran
Address: 95 Cedar St Suite 100
Providence, RI 02903
Phone: 401.273.1007
Fax: 401.273.5087
Email: groser@woodardcurran.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: India St
Project Location: Providence, RI
Project #: 0222610.01
Project Manager: Garrett Rose
ALPHA Quote #:

## Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

## Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☑ ADEx ☐ Add'l Deliverables

## Billing Information

☑ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program: RI
Criteria: Residential Direct Exposure

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: PCBs (HOLD)

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs (HOLD) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 13922.1 | SB-21A (4'-5') | 10/1/09 | 1100 | S | GR | X | All samples on this COC to be held for pot. future analysis | 1 |
| 2 | SB-21A (5'-6') | | 1115 | | | X | | 1 |
| 3 | SB-26A (4'-5') | | 1045 | | | X | | 1 |
| 4 | SB-26A (5'-6') | | 1130 | | | X | | 1 |
| 5 | SB-28A (4'-5') | | 845 | | | X | | 1 |
| 6 | SB-28A (5'-6') | | | | | X | | 1 |
| 7 | SB-30A (4'-5') | | | | | X | | 1 |
| 8 | SB-30A (5'-6') | | | | | X | | 1 |
| 9 | SB-31 (2'-3') | | | | | X | | 1 |
| 10 | SB-31 (3'-4') | | | | | X | | 1 |

Container Type: G
Preservative: A

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 10/1/09 1600 | [signature] | 10/1/09 1600 |
| [signature] | 10/1/09 1730 | [signature] | 10/1/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

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# CHAIN OF CUSTODY

PAGE 2 OF 5

Date Rec'd in Lab: 10/1/09

ALPHA Job #: L0913922

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: Woodard + Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RI Criteria R.D. EC.

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS PCBs (HOLD) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 11 | SB-31 (4'-5') | 10/1/09 | 845 | S | GR | X | All samples on | 1 |
| 12 | SB-31 (5'-6') | | | | | X | this COC to be | 1 |
| 13 | SB-32 (2'-3') | | 900 | | | X | held for pot | 1 |
| 14 | SB-32 (3'-4') | | | | | X | future analysis | 1 |
| 15 | SB-32 (4'-5') | | | | | X | | 1 |
| 16 | SB-32 (5'-6') | | | | | X | | 1 |
| 17 | SB-33 (2'-3') | | 1000 | | | X | | 1 |
| 18 | SB-33 (3'-4') | | | | | X | | 1 |
| 19 | SB-33 (4'-5') | | | | | X | | 1 |
| 20 | SB-33 (5'-6') | | | | | X | | 1 |

| | |
|---|---|
| Container Type | G |
| Preservative | A |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 10/1/09 1600 | [signature] | 10/1/09 1601 |
| [signature] | 10/1/09 1730 | | 10/1/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 3 OF 5

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 10/1/09

ALPHA Job #: L0913927

102091534

**Client Information**
Client: Woodard + Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**
Project Name: India St
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**
☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

**Report Information - Data Deliverables**
☐ FAX ☐ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**
☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**
State /Fed Program RI Criteria RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**
☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS PCBs (HOLD) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 21 | SB-34 (2'-3') | 10/1/09 | 930 | S | GR | X | All Samples on this COC to be held for pot future analysis | 1 |
| 22 | SB-34 (3'-4') | | | | | X | | 1 |
| 23 | SB-34 (4'-5') | | | | | X | | 1 |
| 24 | SB-34 (5'-6') | | | | | X | | 1 |
| 25 | SB-35 (2'-3') | | 945 | | | X | | 1 |
| 26 | SB-35 (3'-4') | | | | | X | | 1 |
| 27 | SB-35 (4'-5') | | | | | X | | 1 |
| 28 | SB-35 (5'-6') | | | | | X | | 1 |
| 29 | SB-36 (2'-3') | | 1030 | | | X | | 1 |
| 30 | SB-36 (3'-4') | | | | | X | | 1 |

**SAMPLE HANDLING**
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type G
Preservative A

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 10/1/09 1600 | | 10/1/09 1732 |
| | 10/1/09 1730 | | |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

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ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 10/1/09

ALPHA Job #: L0912922

**Client Information**
Client: Woodard + Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**
Project Name: 1 India St
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**
☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

**Report Information - Data Deliverables**
☐ FAX ☐ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**
☑ Same as Client info PO #:

**Regulatory Requirements/Report Limits**
State /Fed Program: RI Criteria: RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**
☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

**SAMPLE HANDLING**
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs (Hold) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 31 | SB-36(4'-5') | 10/1/09 | 1030 | S | GR | X | All samples on this COC to be held for pot future analysis | 1 |
| 32 | SB-36(5'-6') | | ↓ | | | X | | 1 |
| 33 | SB-37(2'-3') | | 1230 | | | X | | 1 |
| 34 | SB-37(3'-4') | | | | | X | | 1 |
| 35 | SB-37(4'-5') | | | | | X | | 1 |
| 36 | SB-37(5'-6') | | ↓ | | | X | | 1 |
| 37 | SB-38(2'-3') | | 1300 | | | X | | 1 |
| 38 | SB-38(3'-4') | | | | | X | | 1 |
| 39 | SB-38(4'-5') | | | | | X | | 1 |
| 40 | SB-38(5'-6') | | ↓ | | | X | | 1 |
| | | | | | Container Type | G | | |
| | | | | | Preservative | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 10/1/09 1600 | | 10/1/09 1630 |
| | 10/1/09 1730 | | 10/1/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 5 OF 5

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 10/11/09

ALPHA Job #: L0913922

**Client Information**

Client: Woodard + Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: India St
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

**Report Information - Data Deliverables**

☑ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RI Criteria RIDEC

Other Project Specific Requirements/Comments/Detection Limits:

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS PCBs (Hold) | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|
| 41 | SB-39 (2'-3') | 10/1/09 | 1200 | S | GR | X | 1 | All samples on this COC to be held for pot. future analysis |
| 42 | SB-39 (3'-4') | | | | | X | 1 | |
| 43 | SB-39 (4'-5') | | | | | X | 1 | |
| 44 | SB-39 (5'-6') | | | | | X | 1 | |
| 45 | SB-40 (2'-3') | | 1145 | | | X | 1 | |
| 46 | SB-40 (3'-4') | | | | | X | 1 | |
| 47 | SB-40 (4'-5') | | | | | X | 1 | |
| 48 | SB-40 (5'-6') | | | | | X | 1 | |
| | | | | | | | | |
| | | | | | | | | |

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type G
Preservative A

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 10/11/09 1730 | | 10/11/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

10200915:34

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L0915001 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Project Name: | 1 INDIA ST. |
| Project Number: | 222610.01 |
| Report Date: | 10/28/09 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0915001-01 | SB-41(0'-1') | PROVIDENCE, RI | 10/20/09 10:00 |
| L0915001-02 | SB-41(1'-2') | PROVIDENCE, RI | 10/20/09 10:00 |
| L0915001-03 | SB-41(2'-3') | PROVIDENCE, RI | 10/20/09 10:00 |
| L0915001-04 | SB-42(0'-1') | PROVIDENCE, RI | 10/20/09 09:45 |
| L0915001-05 | SB-42(1'-2') | PROVIDENCE, RI | 10/20/09 09:45 |
| L0915001-06 | SB-42(2'-3') | PROVIDENCE, RI | 10/20/09 09:45 |
| L0915001-07 | SB-43(0'-1') | PROVIDENCE, RI | 10/20/09 09:30 |
| L0915001-08 | SB-43(1'-2') | PROVIDENCE, RI | 10/20/09 09:30 |
| L0915001-09 | SB-43(2'-3') | PROVIDENCE, RI | 10/20/09 09:30 |
| L0915001-10 | SB-44(0'-1') | PROVIDENCE, RI | 10/20/09 09:15 |
| L0915001-11 | SB-44(1'-2') | PROVIDENCE, RI | 10/20/09 09:15 |
| L0915001-12 | SB-44(2'-3') | PROVIDENCE, RI | 10/20/09 09:15 |
| L0915001-13 | SB-45(0'-1') | PROVIDENCE, RI | 10/20/09 08:35 |
| L0915001-14 | SB-45(1'-2') | PROVIDENCE, RI | 10/20/09 08:35 |
| L0915001-15 | SB-45(2'-3') | PROVIDENCE, RI | 10/20/09 09:00 |
| L0915001-16 | SB-46(0'-1') | PROVIDENCE, RI | 10/20/09 09:00 |
| L0915001-17 | SB-46(1'-2') | PROVIDENCE, RI | 10/20/09 09:00 |
| L0915001-18 | SB-46(2'-3') | PROVIDENCE, RI | 10/20/09 09:00 |
| L0915001-19 | SB-50(0'-1') | PROVIDENCE, RI | 10/20/09 09:00 |
| L0915001-20 | SB-50(1'-2') | PROVIDENCE, RI | 10/20/09 09:00 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0915001 |
| **Project Number:** | 222610.01 | **Report Date:** | 10/28/09 |

**Case Narrative**

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

The surrogate recovery for L0915001-01, -04, and -10 is above the individual acceptance criteria for Decachlorobiphenyl (202%, 220%, and 182%, respectively), but within the overall method allowances.
L0915001-04, -10, and -11 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.
L0915001-07, -08, -16, -17, -19, and -20 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0915001 |
| **Project Number:** | 222610.01 | **Report Date:** | 10/28/09 |

**Case Narrative (continued)**

L0915001-13 has elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the sample and by the elevated concentrations of target compounds in the sample.

The surrogate recoveries for L0915001-07, -08, -13, -19, and -20 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analyses are reported.

The dual column RPD for L0915001-18 is above the acceptance criteria for Aroclor 1248; however, no obvious column interferences are present. The result has been qualified with a "P".

The WG385404-1 Method Blank, associated with L0915001-07, -19, and -20, has a concentration above the reporting limit for Aroclors 1248 and 1254. Since the associated sample concentrations are greater than 5x the blank concentration for this analyte, no qualification of the results was performed.

The WG386068-2/-3 LCS/LCSD RPD, associated with L0915001-01 through -06, and -08 through -18, is above the acceptance criteria for Aroclor 1016 (77%); however, the individual LCS/LCSD recoveries are within method limits. The results of the associated samples are reported.

The surrogate recovery for the WG386068-3 LCSD is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%), but within the overall method allowances.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Title: Technical Director/Representative Date: 10/28/09

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-01 | Date Collected: | 10/20/09 10:00 |
| Client ID: | SB-41(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 19:01 |
| Analytical Date: | 10/28/09 07:21 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 81% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 41.0 | 1 |
| Aroclor 1221 | ND | | ug/kg | 41.0 | 1 |
| Aroclor 1232 | ND | | ug/kg | 41.0 | 1 |
| Aroclor 1242 | ND | | ug/kg | 41.0 | 1 |
| Aroclor 1260 | ND | | ug/kg | 41.0 | 1 |
| Aroclor 1262 | ND | | ug/kg | 41.0 | 1 |
| Aroclor 1268 | ND | | ug/kg | 41.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | A |
| Decachlorobiphenyl | 120 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 137 | | 30-150 | B |
| Decachlorobiphenyl | **202** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-01 | Date Collected: | 10/20/09 10:00 |
| Client ID: | SB-41(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 19:01 |
| Analytical Date: | 10/28/09 07:21 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 81% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 661 | | ug/kg | 41.0 | 1 |
| Aroclor 1254 | 627 | | ug/kg | 41.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | A |
| Decachlorobiphenyl | 120 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 137 | | 30-150 | B |
| Decachlorobiphenyl | **202** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-02 | Date Collected: | 10/20/09 10:00 |
| Client ID: | SB-41(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 19:01 |
| Analytical Date: | 10/28/09 07:33 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.4 | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.4 | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.4 | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.4 | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.4 | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.4 | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.4 | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.4 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | A |
| Decachlorobiphenyl | 101 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 30-150 | B |
| Decachlorobiphenyl | 113 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-02 | Date Collected: | 10/20/09 10:00 |
| Client ID: | SB-41(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 19:01 |
| Analytical Date: | 10/28/09 07:33 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 51.7 | | ug/kg | 36.4 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | A |
| Decachlorobiphenyl | 101 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 30-150 | B |
| Decachlorobiphenyl | 113 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-03 | Date Collected: | 10/20/09 10:00 |
| Client ID: | SB-41(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 07:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.7 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.7 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.7 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.7 | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.7 | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.7 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.7 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.7 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.7 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | A |
| Decachlorobiphenyl | 86 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 | B |
| Decachlorobiphenyl | 120 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-04 | Date Collected: | 10/20/09 09:45 |
| Client ID: | SB-42(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 07:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 202 | 5 |
| Aroclor 1221 | ND | | ug/kg | 202 | 5 |
| Aroclor 1232 | ND | | ug/kg | 202 | 5 |
| Aroclor 1242 | ND | | ug/kg | 202 | 5 |
| Aroclor 1260 | ND | | ug/kg | 202 | 5 |
| Aroclor 1262 | ND | | ug/kg | 202 | 5 |
| Aroclor 1268 | ND | | ug/kg | 202 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | A |
| Decachlorobiphenyl | 128 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 135 | | 30-150 | B |
| Decachlorobiphenyl | **220** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-04 | Date Collected: | 10/20/09 09:45 |
| Client ID: | SB-42(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 07:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 3040 | | ug/kg | 202 | 5 |
| Aroclor 1254 | 2940 | | ug/kg | 202 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | A |
| Decachlorobiphenyl | 128 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 135 | | 30-150 | B |
| Decachlorobiphenyl | **220** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-05 | Date Collected: | 10/20/09 09:45 |
| Client ID: | SB-42(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 08:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.8 | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.8 | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.8 | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.8 | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.8 | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.8 | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.8 | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.8 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 | A |
| Decachlorobiphenyl | 100 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 | B |
| Decachlorobiphenyl | 110 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-05 | Date Collected: | 10/20/09 09:45 |
| Client ID: | SB-42(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 08:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 39.3 | | ug/kg | 33.8 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 | A |
| Decachlorobiphenyl | 100 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 | B |
| Decachlorobiphenyl | 110 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-06 | Date Collected: | 10/20/09 09:45 |
| Client ID: | SB-42(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 08:23 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1248 | 70.5 | | ug/kg | 35.5 | 1 |
| Aroclor 1254 | 83.3 | | ug/kg | 35.5 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 | A |
| Decachlorobiphenyl | 102 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 97 | | 30-150 | B |
| Decachlorobiphenyl | 109 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-07 | Date Collected: | 10/20/09 09:30 |
| Client ID: | SB-43(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/22/09 00:07 |
| Analytical Date: | 10/27/09 03:56 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/23/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 3410 | | ug/kg | 732 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-07 | Date Collected: | 10/20/09 09:30 |
| Client ID: | SB-43(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/22/09 00:07 |
| Analytical Date: | 10/27/09 03:56 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/23/09 |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 732 | 20 |
| Aroclor 1221 | ND | | ug/kg | 732 | 20 |
| Aroclor 1232 | ND | | ug/kg | 732 | 20 |
| Aroclor 1242 | ND | | ug/kg | 732 | 20 |
| Aroclor 1248 | 5450 | | ug/kg | 732 | 20 |
| Aroclor 1260 | ND | | ug/kg | 732 | 20 |
| Aroclor 1262 | ND | | ug/kg | 732 | 20 |
| Aroclor 1268 | ND | | ug/kg | 732 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-08 | Date Collected: | 10/20/09 09:30 |
| Client ID: | SB-43(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 10:40 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 2020 | | ug/kg | 382 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-08 | Date Collected: | 10/20/09 09:30 |
| Client ID: | SB-43(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 10:40 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1016 | ND | | ug/kg | 382 | 10 |
| Aroclor 1221 | ND | | ug/kg | 382 | 10 |
| Aroclor 1232 | ND | | ug/kg | 382 | 10 |
| Aroclor 1242 | ND | | ug/kg | 382 | 10 |
| Aroclor 1248 | 2880 | | ug/kg | 382 | 10 |
| Aroclor 1260 | ND | | ug/kg | 382 | 10 |
| Aroclor 1262 | ND | | ug/kg | 382 | 10 |
| Aroclor 1268 | ND | | ug/kg | 382 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-09 | Date Collected: | 10/20/09 09:30 |
| Client ID: | SB-43(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 08:48 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 104 | | 30-150 | A |
| Decachlorobiphenyl | 110 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 105 | | 30-150 | B |
| Decachlorobiphenyl | 128 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-10 | Date Collected: | 10/20/09 09:15 |
| Client ID: | SB-44(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 09:00 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 82% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 211 | 5 |
| Aroclor 1221 | ND | | ug/kg | 211 | 5 |
| Aroclor 1232 | ND | | ug/kg | 211 | 5 |
| Aroclor 1242 | ND | | ug/kg | 211 | 5 |
| Aroclor 1260 | ND | | ug/kg | 211 | 5 |
| Aroclor 1262 | ND | | ug/kg | 211 | 5 |
| Aroclor 1268 | ND | | ug/kg | 211 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 | A |
| Decachlorobiphenyl | 139 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 97 | | 30-150 | B |
| Decachlorobiphenyl | **182** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-10 | Date Collected: | 10/20/09 09:15 |
| Client ID: | SB-44(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 09:00 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 82% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 2450 | | ug/kg | 211 | 5 |
| Aroclor 1254 | 2150 | | ug/kg | 211 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 | A |
| Decachlorobiphenyl | 139 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 97 | | 30-150 | B |
| Decachlorobiphenyl | **182** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-11 | Date Collected: | 10/20/09 09:15 |
| Client ID: | SB-44(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 09:13 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 772 | | ug/kg | 181 | 5 |
| Aroclor 1254 | 780 | | ug/kg | 181 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 | A |
| Decachlorobiphenyl | 88 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 | B |
| Decachlorobiphenyl | 97 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-11 | Date Collected: | 10/20/09 09:15 |
| Client ID: | SB-44(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 09:13 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 181 | 5 |
| Aroclor 1221 | ND | | ug/kg | 181 | 5 |
| Aroclor 1232 | ND | | ug/kg | 181 | 5 |
| Aroclor 1242 | ND | | ug/kg | 181 | 5 |
| Aroclor 1260 | ND | | ug/kg | 181 | 5 |
| Aroclor 1262 | ND | | ug/kg | 181 | 5 |
| Aroclor 1268 | ND | | ug/kg | 181 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 | A |
| Decachlorobiphenyl | 88 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 | B |
| Decachlorobiphenyl | 97 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-12 | Date Collected: | 10/20/09 09:15 |
| Client ID: | SB-44(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 06:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.5 | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.5 | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.5 | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.5 | 1 |
| Aroclor 1248 | ND | | ug/kg | 39.5 | 1 |
| Aroclor 1254 | ND | | ug/kg | 39.5 | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.5 | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.5 | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 97 | | 30-150 | A |
| Decachlorobiphenyl | 105 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | B |
| Decachlorobiphenyl | 103 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-13 | Date Collected: | 10/20/09 08:35 |
| Client ID: | SB-45(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 11:33 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 2780 | | ug/kg | 1840 | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-13 | Date Collected: | 10/20/09 08:35 |
| Client ID: | SB-45(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 11:33 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1840 | 50 |
| Aroclor 1221 | ND | | ug/kg | 1840 | 50 |
| Aroclor 1232 | ND | | ug/kg | 1840 | 50 |
| Aroclor 1242 | ND | | ug/kg | 1840 | 50 |
| Aroclor 1248 | 4760 | | ug/kg | 1840 | 50 |
| Aroclor 1260 | ND | | ug/kg | 1840 | 50 |
| Aroclor 1262 | ND | | ug/kg | 1840 | 50 |
| Aroclor 1268 | ND | | ug/kg | 1840 | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-14 | Date Collected: | 10/20/09 08:35 |
| Client ID: | SB-45(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 07:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.0 | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.0 | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.0 | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.0 | 1 |
| Aroclor 1248 | 43.4 | | ug/kg | 39.0 | 1 |
| Aroclor 1254 | 57.7 | | ug/kg | 39.0 | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.0 | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.0 | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 103 | | 30-150 | A |
| Decachlorobiphenyl | 113 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | B |
| Decachlorobiphenyl | 103 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-15 | Date Collected: | 10/20/09 09:00 |
| Client ID: | SB-45(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 07:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.2 | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.2 | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.2 | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.2 | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.2 | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.2 | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.2 | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.2 | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 115 | | 30-150 | A |
| Decachlorobiphenyl | 146 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | B |
| Decachlorobiphenyl | 86 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-16 | Date Collected: | 10/20/09 09:00 |
| Client ID: | SB-46(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 07:47 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1016 | ND | | ug/kg | 181 | 5 |
| Aroclor 1221 | ND | | ug/kg | 181 | 5 |
| Aroclor 1232 | ND | | ug/kg | 181 | 5 |
| Aroclor 1242 | ND | | ug/kg | 181 | 5 |
| Aroclor 1248 | 3390 | | ug/kg | 181 | 5 |
| Aroclor 1254 | 1900 | | ug/kg | 181 | 5 |
| Aroclor 1260 | ND | | ug/kg | 181 | 5 |
| Aroclor 1262 | ND | | ug/kg | 181 | 5 |
| Aroclor 1268 | ND | | ug/kg | 181 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 133 | | 30-150 | A |
| Decachlorobiphenyl | 107 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 | B |
| Decachlorobiphenyl | 103 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-17 | Date Collected: | 10/20/09 09:00 |
| Client ID: | SB-46(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 07:59 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1016 | ND | | ug/kg | 71.7 | 2 |
| Aroclor 1221 | ND | | ug/kg | 71.7 | 2 |
| Aroclor 1232 | ND | | ug/kg | 71.7 | 2 |
| Aroclor 1242 | ND | | ug/kg | 71.7 | 2 |
| Aroclor 1248 | 198 | | ug/kg | 71.7 | 2 |
| Aroclor 1254 | 132 | | ug/kg | 71.7 | 2 |
| Aroclor 1260 | ND | | ug/kg | 71.7 | 2 |
| Aroclor 1262 | ND | | ug/kg | 71.7 | 2 |
| Aroclor 1268 | ND | | ug/kg | 71.7 | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 | A |
| Decachlorobiphenyl | 74 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 46 | | 30-150 | B |
| Decachlorobiphenyl | 73 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-18 | Date Collected: | 10/20/09 09:00 |
| Client ID: | SB-46(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 10/26/09 20:09 |
| Analytical Date: | 10/28/09 08:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/27/09 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 10/27/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1248 | 103 | P | ug/kg | 37.5 | 1 |
| Aroclor 1254 | 88.6 | | ug/kg | 37.5 | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | A |
| Decachlorobiphenyl | 88 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 78 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-19 | Date Collected: | 10/20/09 09:00 |
| Client ID: | SB-50(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/22/09 00:12 |
| Analytical Date: | 10/28/09 11:21 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/23/09 |
| Percent Solids: | 76% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 4890000 | | ug/kg | 4370000 | 100000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-19 | Date Collected: | 10/20/09 09:00 |
| Client ID: | SB-50(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/22/09 00:12 |
| Analytical Date: | 10/28/09 11:21 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/23/09 |
| Percent Solids: | 76% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 4370000 | 100000 |
| Aroclor 1221 | ND | | ug/kg | 4370000 | 100000 |
| Aroclor 1232 | ND | | ug/kg | 4370000 | 100000 |
| Aroclor 1242 | ND | | ug/kg | 4370000 | 100000 |
| Aroclor 1248 | 15100000 | | ug/kg | 4370000 | 100000 |
| Aroclor 1260 | ND | | ug/kg | 4370000 | 100000 |
| Aroclor 1262 | ND | | ug/kg | 4370000 | 100000 |
| Aroclor 1268 | ND | | ug/kg | 4370000 | 100000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-20 | Date Collected: | 10/20/09 09:00 |
| Client ID: | SB-50(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/22/09 00:12 |
| Analytical Date: | 10/27/09 04:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/23/09 |
| Percent Solids: | 93% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1254 | 167000 | | ug/kg | 36400 | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915001-20 | Date Collected: | 10/20/09 09:00 |
| Client ID: | SB-50(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/22/09 00:12 |
| Analytical Date: | 10/27/09 04:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/23/09 |
| Percent Solids: | 93% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36400 | 1000 |
| Aroclor 1221 | ND | | ug/kg | 36400 | 1000 |
| Aroclor 1232 | ND | | ug/kg | 36400 | 1000 |
| Aroclor 1242 | ND | | ug/kg | 36400 | 1000 |
| Aroclor 1248 | 534000 | | ug/kg | 36400 | 1000 |
| Aroclor 1260 | ND | | ug/kg | 36400 | 1000 |
| Aroclor 1262 | ND | | ug/kg | 36400 | 1000 |
| Aroclor 1268 | ND | | ug/kg | 36400 | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/24/09 01:58
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 10/22/09 00:14
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/23/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 07,19-20 Batch: WG385404-1 | | | | |
| Aroclor 1254 | 87.0 | | ug/kg | 32.8 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 | A |
| Decachlorobiphenyl | 95 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | B |
| Decachlorobiphenyl | 89 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/24/09 01:58
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 10/22/09 00:14
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/23/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 07,19-20 Batch: WG385404-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.8 |
| Aroclor 1221 | ND | | ug/kg | 32.8 |
| Aroclor 1232 | ND | | ug/kg | 32.8 |
| Aroclor 1242 | ND | | ug/kg | 32.8 |
| Aroclor 1248 | 191 | | ug/kg | 32.8 |
| Aroclor 1260 | ND | | ug/kg | 32.8 |
| Aroclor 1262 | ND | | ug/kg | 32.8 |
| Aroclor 1268 | ND | | ug/kg | 32.8 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 | A |
| Decachlorobiphenyl | 95 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | B |
| Decachlorobiphenyl | 89 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915001

**Project Number:** 222610.01 **Report Date:** 10/28/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/28/09 06:19
Analyst: SH

Extraction Method: EPA 3540C
Extraction Date: 10/26/09 19:01
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/27/09
Cleanup Method2: EPA 3660B
Cleanup Date2: 10/27/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-06,08-18 Batch: WG386068-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.9 |
| Aroclor 1221 | ND | | ug/kg | 32.9 |
| Aroclor 1232 | ND | | ug/kg | 32.9 |
| Aroclor 1242 | ND | | ug/kg | 32.9 |
| Aroclor 1248 | ND | | ug/kg | 32.9 |
| Aroclor 1254 | ND | | ug/kg | 32.9 |
| Aroclor 1260 | ND | | ug/kg | 32.9 |
| Aroclor 1262 | ND | | ug/kg | 32.9 |
| Aroclor 1268 | ND | | ug/kg | 32.9 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | A |
| Decachlorobiphenyl | 100 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 104 | | 30-150 | B |
| Decachlorobiphenyl | 101 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 07,19-20 Batch: WG385404-2 WG385404-3 | | | | | | | | |
| Aroclor 1016 | 64 | | 69 | | 40-140 | 8 | | 50 |
| Aroclor 1260 | 63 | | 64 | | 40-140 | 2 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 64 | | 30-150 | A |
| Decachlorobiphenyl | 90 | | 94 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 70 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 93 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-06,08-18 Batch: WG386068-2 WG386068-3 | | | | | | | | |
| Aroclor 1016 | 97 | | 43 | | 40-140 | **77** | Q | 50 |
| Aroclor 1260 | 84 | | 67 | | 40-140 | 23 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 29 | Q | 30-150 | A |
| Decachlorobiphenyl | 85 | | 78 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 31 | | 30-150 | B |
| Decachlorobiphenyl | 83 | | 85 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-01
Client ID: SB-41(0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 10:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 81 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-02
Client ID: SB-41(1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 10:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-03
Client ID: SB-41(2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 10:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-04
Client ID: SB-42(0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 09:45
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-05
Client ID: SB-42(1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 09:45
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-06
Client ID: SB-42(2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 09:45
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-07
Client ID: SB-43(0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 09:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-08
Client ID: SB-43(1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 09:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-09
Client ID: SB-43(2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 09:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-10
Client ID: SB-44(0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 09:15
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-11
Client ID: SB-44(1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 09:15
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-12
Client ID: SB-44(2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 09:15
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-13
Client ID: SB-45(0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 08:35
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-14
Client ID: SB-45(1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 08:35
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-15
Client ID: SB-45(2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 09:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-16
Client ID: SB-46(0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 09:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-17
Client ID: SB-46(1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 09:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-18
Client ID: SB-46(2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 09:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-19
Client ID: SB-50(0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 09:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 76 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915001-20
Client ID: SB-50(1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 09:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | 1 | - | 10/21/09 15:15 | 30,2540G | TL |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG385343-1 QC Sample: L0915001-01 Client ID: SB-41(0'-1') | | | | | | |
| Solids, Total | 81 | 83 | % | 2 | | 20 |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915001
**Report Date:** 10/28/09

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |

### Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0915001-01A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-02A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-03A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-04A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-05A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-06A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-07A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-08A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-09A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-10A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-11A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-12A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-13A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-14A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-15A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-16A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-17A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-18A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-19A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915001-20A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |

*Hold days indicated by values in parentheses

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0915001 |
| **Project Number:** | 222610.01 | **Report Date:** | 10/28/09 |

## GLOSSARY

***Acronyms***

| | |
|---|---|
| EPA | · Environmental Protection Agency. |
| LCS | · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | · Laboratory Control Sample Duplicate: Refer to LCS. |
| MS | · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | · Matrix Spike Sample Duplicate: Refer to MS. |
| NA | · Not Applicable. |
| NC | · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| ND | · Not detected at the reported detection limit for the sample. |
| NI | · Not Ignitable. |
| RDL | · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.) |
| **R** | - Analytical results are from sample re-analysis. |
| **RE** | - Analytical results are from sample re-extraction. |
| **J** | - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs). |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0915001 |
| **Project Number:** | 222610.01 | **Report Date:** | 10/28/09 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised October 22, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Utah Department of Health** Certificate/Lab ID: AAMA. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: Chloride EPA 300.0)

**Analytes Not Accredited by NELAP**

Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes. **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

10280914:45

# CHAIN OF CUSTODY

PAGE 1 OF 5

Date Rec'd in Lab: 10/20/09

ALPHA Job #: L0915001


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: Woodard & Curran
Address: 95 Cedar St Suite 100
Providence, RI 02903
Phone: 401 275 3637
Fax: 401.273 5087
Email: grose@woodardcurran.com
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St
Project Location: Providence, RI
Project #: 222610.01
Project Manager: G. Rose
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 10/27/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☑ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program: RI
Criteria: RIDEM Residential Direct Exposure

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

R.D.E.C.

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 15001.1 | SB-41(0'-1') | 10/20/09 | 1000 | S | GR | X | | 1 |
| 2 | SB-41(1'-2') | | | | | X | | 1 |
| 3 | SB-41(2'-3') | | | | | X | | 1 |
| 4 | SB-42(0'-1') | | 945 | | | X | | 1 |
| 5 | SB-42(1'-2') | | | | | X | | 1 |
| 6 | SB-42(2'-3') | | | | | X | | 1 |
| 7 | SB-43(0'-1') | | 930 | | | X | | 1 |
| 8 | SB-43(1'-2') | | | | | X | | 1 |
| 9 | SB-43(2'-3') | | | | | X | | 1 |
| 10 | SB-44(0'-1') | | 915 | | | X | | 1 |

**SAMPLE HANDLING**

Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type: A
Preservative: A

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 10/20/09 1610 | | 10/20/09 1610 |
| | 10/20/09 | | 10/20/09 1845 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

10280914:45

# CHAIN OF CUSTODY

PAGE 2 OF 5

Date Rec'd in Lab: 10/20/09

ALPHA Job #: L0915001


ALPHA LABORATORIES
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: Woodard & Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 10/27/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RI Criteria RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☑ No Are MCP Analytical Methods Required?

☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

RDEC

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs | SAMPLE HANDLING | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|
| 15001 11 | SB-44 (1'-2') | 10/20/09 | 915 | S | GR | X | | | 1 |
| 12 | SB-44 (2'-3') | | | | | X | | | 1 |
| 13 | SB-45 (0'-1') | | 835 | | | X | | | 1 |
| 14 | SB-45 (1'-2') | | | | | X | | | 1 |
| 15 | SB-45 (2'-3') | | | | | X | | | 1 |
| 16 | SB-46 (0'-1') | | 900 | | | X | | | 1 |
| 17 | SB-46 (1'-2') | | | | | X | | | 1 |
| 18 | SB-46 (2'-3') | | | | | X | | | 1 |
| 19 | SB-50 (0'-1') | | | | | X | | | 1 |
| 20 | SB-50 (1'-2') | | | | | X | | | 1 |

SAMPLE HANDLING

Filtration

☐ Done ☐ Not needed ☐ Lab to do

Preservation

☐ Lab to do (Please specify below)

| | |
|---|---|
| Container Type | A |
| Preservative | A |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 10/20/09 1610 | [signature] | 10/20/09 1610 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L0915002 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Project Name: | 1 INDIA ST. |
| Project Number: | 222610.01 |
| Report Date: | 10/27/09 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0915002-01 | SB-50(2'-3') | PROVIDENCE, RI | 10/20/09 10:30 |
| L0915002-02 | SB-51(0'-1') | PROVIDENCE, RI | 10/20/09 11:00 |
| L0915002-03 | SB-51(1'-2') | PROVIDENCE, RI | 10/20/09 11:00 |
| L0915002-04 | SB-51(2'-3') | PROVIDENCE, RI | 10/20/09 11:00 |
| L0915002-05 | SB-52(0'-1') | PROVIDENCE, RI | 10/20/09 11:45 |
| L0915002-06 | SB-52(1'-2') | PROVIDENCE, RI | 10/20/09 11:45 |
| L0915002-07 | SB-52(2'-3') | PROVIDENCE, RI | 10/20/09 11:45 |
| L0915002-08 | SB-53(0'-1') | PROVIDENCE, RI | 10/20/09 10:45 |
| L0915002-09 | SB-53(1'-2') | PROVIDENCE, RI | 10/20/09 10:45 |
| L0915002-10 | SB-53(2'-3') | PROVIDENCE, RI | 10/20/09 10:45 |
| L0915002-11 | SB-54(0'-1') | PROVIDENCE, RI | 10/20/09 12:00 |
| L0915002-12 | SB-54(1'-2') | PROVIDENCE, RI | 10/20/09 12:00 |
| L0915002-13 | SB-54(2'-3') | PROVIDENCE, RI | 10/20/09 12:00 |
| L0915002-14 | SB-55(0'-1') | PROVIDENCE, RI | 10/20/09 13:30 |
| L0915002-15 | SB-55(1'-2') | PROVIDENCE, RI | 10/20/09 13:30 |
| L0915002-16 | SB-55(2'-3') | PROVIDENCE, RI | 10/20/09 13:30 |
| L0915002-17 | SB-56(0'-1') | PROVIDENCE, RI | 10/20/09 12:45 |
| L0915002-18 | SB-56(1'-2') | PROVIDENCE, RI | 10/20/09 12:45 |
| L0915002-19 | SB-56(2'-3') | PROVIDENCE, RI | 10/20/09 12:45 |
| L0915002-20 | SB-57(0'-1') | PROVIDENCE, RI | 10/20/09 12:15 |
| L0915002-21 | SB-57(1'-2') | PROVIDENCE, RI | 10/20/09 12:15 |
| L0915002-22 | SB-57(2'-3') | PROVIDENCE, RI | 10/20/09 12:15 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0915002 |
| **Project Number:** | 222610.01 | **Report Date:** | 10/27/09 |

**Case Narrative**

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L0915002-01, -02, -05 through -11 and -14 through -20 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L0915002-01, -02, -05 through -11 and -14 through -20 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons

Title: Technical Director/Representative Date: 10/27/09

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-01 | Date Collected: | 10/20/09 10:30 |
| Client ID: | SB-50(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 16:00 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 95% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 375000 | 10000 |
| Aroclor 1221 | ND | | ug/kg | 375000 | 10000 |
| Aroclor 1232 | ND | | ug/kg | 375000 | 10000 |
| Aroclor 1242 | ND | | ug/kg | 375000 | 10000 |
| Aroclor 1248 | 1040000 | | ug/kg | 375000 | 10000 |
| Aroclor 1254 | ND | | ug/kg | 375000 | 10000 |
| Aroclor 1260 | ND | | ug/kg | 375000 | 10000 |
| Aroclor 1262 | ND | | ug/kg | 375000 | 10000 |
| Aroclor 1268 | ND | | ug/kg | 375000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-02 | Date Collected: | 10/20/09 11:00 |
| Client ID: | SB-51(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 13:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 85% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1860 | 50 |
| Aroclor 1221 | ND | | ug/kg | 1860 | 50 |
| Aroclor 1232 | ND | | ug/kg | 1860 | 50 |
| Aroclor 1242 | ND | | ug/kg | 1860 | 50 |
| Aroclor 1248 | 7850 | | ug/kg | 1860 | 50 |
| Aroclor 1260 | ND | | ug/kg | 1860 | 50 |
| Aroclor 1262 | ND | | ug/kg | 1860 | 50 |
| Aroclor 1268 | ND | | ug/kg | 1860 | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-02 | Date Collected: | 10/20/09 11:00 |
| Client ID: | SB-51(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 13:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 85% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1254 | 3360 | | ug/kg | 1860 | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-03 | Date Collected: | 10/20/09 11:00 |
| Client ID: | SB-51(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/26/09 21:13 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 92% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1248 | 349 | | ug/kg | 37.5 | 1 |
| Aroclor 1254 | 169 | | ug/kg | 37.5 | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 | A |
| Decachlorobiphenyl | 75 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 | B |
| Decachlorobiphenyl | 70 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-04 | Date Collected: | 10/20/09 11:00 |
| Client ID: | SB-51(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/26/09 21:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 96% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.6 | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.6 | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.6 | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.6 | 1 |
| Aroclor 1248 | 193 | | ug/kg | 34.6 | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.6 | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.6 | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.6 | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.6 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 | A |
| Decachlorobiphenyl | 76 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | B |
| Decachlorobiphenyl | 75 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-05 | Date Collected: | 10/20/09 11:45 |
| Client ID: | SB-52(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 14:03 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 87% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 12100 | | ug/kg | 3700 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-05 | Date Collected: | 10/20/09 11:45 |
| Client ID: | SB-52(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 14:03 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 87% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3700 | 100 |
| Aroclor 1221 | ND | | ug/kg | 3700 | 100 |
| Aroclor 1232 | ND | | ug/kg | 3700 | 100 |
| Aroclor 1242 | ND | | ug/kg | 3700 | 100 |
| Aroclor 1248 | 30300 | | ug/kg | 3700 | 100 |
| Aroclor 1260 | ND | | ug/kg | 3700 | 100 |
| Aroclor 1262 | ND | | ug/kg | 3700 | 100 |
| Aroclor 1268 | ND | | ug/kg | 3700 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-06 | Date Collected: | 10/20/09 11:45 |
| Client ID: | SB-52(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 14:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 415 | 10 |
| Aroclor 1221 | ND | | ug/kg | 415 | 10 |
| Aroclor 1232 | ND | | ug/kg | 415 | 10 |
| Aroclor 1242 | ND | | ug/kg | 415 | 10 |
| Aroclor 1248 | 1610 | | ug/kg | 415 | 10 |
| Aroclor 1254 | 629 | | ug/kg | 415 | 10 |
| Aroclor 1260 | ND | | ug/kg | 415 | 10 |
| Aroclor 1262 | ND | | ug/kg | 415 | 10 |
| Aroclor 1268 | ND | | ug/kg | 415 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-07 | Date Collected: | 10/20/09 11:45 |
| Client ID: | SB-52(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 14:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 94% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 1130 | | ug/kg | 353 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-07 | Date Collected: | 10/20/09 11:45 |
| Client ID: | SB-52(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 14:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 94% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 353 | 10 |
| Aroclor 1221 | ND | | ug/kg | 353 | 10 |
| Aroclor 1232 | ND | | ug/kg | 353 | 10 |
| Aroclor 1242 | ND | | ug/kg | 353 | 10 |
| Aroclor 1248 | 2760 | | ug/kg | 353 | 10 |
| Aroclor 1260 | ND | | ug/kg | 353 | 10 |
| Aroclor 1262 | ND | | ug/kg | 353 | 10 |
| Aroclor 1268 | ND | | ug/kg | 353 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-08 | Date Collected: | 10/20/09 10:45 |
| Client ID: | SB-53(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 16:13 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 80% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 2750000 | | ug/kg | 777000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-08 | Date Collected: | 10/20/09 10:45 |
| Client ID: | SB-53(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 16:13 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 80% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 777000 | 20000 |
| Aroclor 1221 | ND | | ug/kg | 777000 | 20000 |
| Aroclor 1232 | ND | | ug/kg | 777000 | 20000 |
| Aroclor 1242 | ND | | ug/kg | 777000 | 20000 |
| Aroclor 1248 | 9450000 | | ug/kg | 777000 | 20000 |
| Aroclor 1260 | ND | | ug/kg | 777000 | 20000 |
| Aroclor 1262 | ND | | ug/kg | 777000 | 20000 |
| Aroclor 1268 | ND | | ug/kg | 777000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-09 | Date Collected: | 10/20/09 10:45 |
| Client ID: | SB-53(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 16:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 84% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 1920000 | | ug/kg | 1020000 | 25000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-09 | Date Collected: | 10/20/09 10:45 |
| Client ID: | SB-53(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 16:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 84% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1020000 | 25000 |
| Aroclor 1221 | ND | | ug/kg | 1020000 | 25000 |
| Aroclor 1232 | ND | | ug/kg | 1020000 | 25000 |
| Aroclor 1242 | ND | | ug/kg | 1020000 | 25000 |
| Aroclor 1248 | 6650000 | | ug/kg | 1020000 | 25000 |
| Aroclor 1260 | ND | | ug/kg | 1020000 | 25000 |
| Aroclor 1262 | ND | | ug/kg | 1020000 | 25000 |
| Aroclor 1268 | ND | | ug/kg | 1020000 | 25000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-10 | Date Collected: | 10/20/09 10:45 |
| Client ID: | SB-53(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 16:38 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 92% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 1170000 | | ug/kg | 759000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-10 | Date Collected: | 10/20/09 10:45 |
| Client ID: | SB-53(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 16:38 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 92% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 759000 | 20000 |
| Aroclor 1221 | ND | | ug/kg | 759000 | 20000 |
| Aroclor 1232 | ND | | ug/kg | 759000 | 20000 |
| Aroclor 1242 | ND | | ug/kg | 759000 | 20000 |
| Aroclor 1248 | 4220000 | | ug/kg | 759000 | 20000 |
| Aroclor 1260 | ND | | ug/kg | 759000 | 20000 |
| Aroclor 1262 | ND | | ug/kg | 759000 | 20000 |
| Aroclor 1268 | ND | | ug/kg | 759000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-11 | Date Collected: | 10/20/09 12:00 |
| Client ID: | SB-54(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 15:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 85% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 4340 | | ug/kg | 830 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-11 | Date Collected: | 10/20/09 12:00 |
| Client ID: | SB-54(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 15:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 85% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 830 | 20 |
| Aroclor 1221 | ND | | ug/kg | 830 | 20 |
| Aroclor 1232 | ND | | ug/kg | 830 | 20 |
| Aroclor 1242 | ND | | ug/kg | 830 | 20 |
| Aroclor 1248 | 8740 | | ug/kg | 830 | 20 |
| Aroclor 1260 | ND | | ug/kg | 830 | 20 |
| Aroclor 1262 | ND | | ug/kg | 830 | 20 |
| Aroclor 1268 | ND | | ug/kg | 830 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-12 | Date Collected: | 10/20/09 12:00 |
| Client ID: | SB-54(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/26/09 23:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 90% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 148 | | ug/kg | 37.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 | A |
| Decachlorobiphenyl | 67 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 122 | | 30-150 | B |
| Decachlorobiphenyl | 71 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-12 | Date Collected: | 10/20/09 12:00 |
| Client ID: | SB-54(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/26/09 23:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 90% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.5 | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 | A |
| Decachlorobiphenyl | 67 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 122 | | 30-150 | B |
| Decachlorobiphenyl | 71 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-13 | Date Collected: | 10/20/09 12:00 |
| Client ID: | SB-54(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/26/09 23:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 78% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 191 | | ug/kg | 45.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 | B |
| Decachlorobiphenyl | 61 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-13 | Date Collected: | 10/20/09 12:00 |
| Client ID: | SB-54(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/26/09 23:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 78% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 45.5 | 1 |
| Aroclor 1221 | ND | | ug/kg | 45.5 | 1 |
| Aroclor 1232 | ND | | ug/kg | 45.5 | 1 |
| Aroclor 1242 | ND | | ug/kg | 45.5 | 1 |
| Aroclor 1248 | ND | | ug/kg | 45.5 | 1 |
| Aroclor 1260 | ND | | ug/kg | 45.5 | 1 |
| Aroclor 1262 | ND | | ug/kg | 45.5 | 1 |
| Aroclor 1268 | ND | | ug/kg | 45.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 | B |
| Decachlorobiphenyl | 61 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-14 | Date Collected: | 10/20/09 13:30 |
| Client ID: | SB-55(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 15:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 82% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 434000 | 10000 |
| Aroclor 1221 | ND | | ug/kg | 434000 | 10000 |
| Aroclor 1232 | ND | | ug/kg | 434000 | 10000 |
| Aroclor 1242 | ND | | ug/kg | 434000 | 10000 |
| Aroclor 1248 | 2060000 | | ug/kg | 434000 | 10000 |
| Aroclor 1260 | ND | | ug/kg | 434000 | 10000 |
| Aroclor 1262 | ND | | ug/kg | 434000 | 10000 |
| Aroclor 1268 | ND | | ug/kg | 434000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-14 | Date Collected: | 10/20/09 13:30 |
| Client ID: | SB-55(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 15:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 82% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 1580000 | | ug/kg | 434000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-15 | Date Collected: | 10/20/09 13:30 |
| Client ID: | SB-55(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 13:49 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 84% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 80200 | | ug/kg | 7800 | 200 |
| Aroclor 1254 | 63800 | | ug/kg | 7800 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-15 | Date Collected: | 10/20/09 13:30 |
| Client ID: | SB-55(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 13:49 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 84% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7800 | 200 |
| Aroclor 1221 | ND | | ug/kg | 7800 | 200 |
| Aroclor 1232 | ND | | ug/kg | 7800 | 200 |
| Aroclor 1242 | ND | | ug/kg | 7800 | 200 |
| Aroclor 1260 | ND | | ug/kg | 7800 | 200 |
| Aroclor 1262 | ND | | ug/kg | 7800 | 200 |
| Aroclor 1268 | ND | | ug/kg | 7800 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-16 | Date Collected: | 10/20/09 13:30 |
| Client ID: | SB-55(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 14:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 93% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 22500 | | ug/kg | 3440 | 100 |
| Aroclor 1254 | 22500 | | ug/kg | 3440 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-16 | Date Collected: | 10/20/09 13:30 |
| Client ID: | SB-55(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 14:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 93% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3440 | 100 |
| Aroclor 1221 | ND | | ug/kg | 3440 | 100 |
| Aroclor 1232 | ND | | ug/kg | 3440 | 100 |
| Aroclor 1242 | ND | | ug/kg | 3440 | 100 |
| Aroclor 1260 | ND | | ug/kg | 3440 | 100 |
| Aroclor 1262 | ND | | ug/kg | 3440 | 100 |
| Aroclor 1268 | ND | | ug/kg | 3440 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-17 | Date Collected: | 10/20/09 12:45 |
| Client ID: | SB-56(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 16:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 88% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 398000 | 10000 |
| Aroclor 1221 | ND | | ug/kg | 398000 | 10000 |
| Aroclor 1232 | ND | | ug/kg | 398000 | 10000 |
| Aroclor 1242 | ND | | ug/kg | 398000 | 10000 |
| Aroclor 1254 | 827000 | | ug/kg | 398000 | 10000 |
| Aroclor 1260 | ND | | ug/kg | 398000 | 10000 |
| Aroclor 1262 | ND | | ug/kg | 398000 | 10000 |
| Aroclor 1268 | ND | | ug/kg | 398000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-17 | Date Collected: | 10/20/09 12:45 |
| Client ID: | SB-56(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 16:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 88% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 2130000 | | ug/kg | 398000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-18 | Date Collected: | 10/20/09 12:45 |
| Client ID: | SB-56(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 16:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 82% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 847000 | 20000 |
| Aroclor 1221 | ND | | ug/kg | 847000 | 20000 |
| Aroclor 1232 | ND | | ug/kg | 847000 | 20000 |
| Aroclor 1242 | ND | | ug/kg | 847000 | 20000 |
| Aroclor 1254 | 2340000 | | ug/kg | 847000 | 20000 |
| Aroclor 1260 | ND | | ug/kg | 847000 | 20000 |
| Aroclor 1262 | ND | | ug/kg | 847000 | 20000 |
| Aroclor 1268 | ND | | ug/kg | 847000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-18 | Date Collected: | 10/20/09 12:45 |
| Client ID: | SB-56(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 16:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 82% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 4380000 | | ug/kg | 847000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-19 | Date Collected: | 10/20/09 12:45 |
| Client ID: | SB-56(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 16:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 199000 | 5000 |
| Aroclor 1221 | ND | | ug/kg | 199000 | 5000 |
| Aroclor 1232 | ND | | ug/kg | 199000 | 5000 |
| Aroclor 1242 | ND | | ug/kg | 199000 | 5000 |
| Aroclor 1254 | 291000 | | ug/kg | 199000 | 5000 |
| Aroclor 1260 | ND | | ug/kg | 199000 | 5000 |
| Aroclor 1262 | ND | | ug/kg | 199000 | 5000 |
| Aroclor 1268 | ND | | ug/kg | 199000 | 5000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-19 | Date Collected: | 10/20/09 12:45 |
| Client ID: | SB-56(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 16:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 773000 | | ug/kg | 199000 | 5000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-20 | Date Collected: | 10/20/09 12:15 |
| Client ID: | SB-57(0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/21/09 23:42 |
| Analytical Date: | 10/27/09 14:51 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 88% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1860 | 50 |
| Aroclor 1221 | ND | | ug/kg | 1860 | 50 |
| Aroclor 1232 | ND | | ug/kg | 1860 | 50 |
| Aroclor 1242 | ND | | ug/kg | 1860 | 50 |
| Aroclor 1248 | 7120 | | ug/kg | 1860 | 50 |
| Aroclor 1254 | 3220 | | ug/kg | 1860 | 50 |
| Aroclor 1260 | ND | | ug/kg | 1860 | 50 |
| Aroclor 1262 | ND | | ug/kg | 1860 | 50 |
| Aroclor 1268 | ND | | ug/kg | 1860 | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-21 | Date Collected: | 10/20/09 12:15 |
| Client ID: | SB-57(1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/22/09 01:08 |
| Analytical Date: | 10/23/09 22:17 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/23/09 |
| Percent Solids: | 83% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.5 | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.5 | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.5 | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.5 | 1 |
| Aroclor 1248 | ND | | ug/kg | 39.5 | 1 |
| Aroclor 1254 | ND | | ug/kg | 39.5 | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.5 | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.5 | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 73 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 | B |
| Decachlorobiphenyl | 60 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915002-22 | Date Collected: | 10/20/09 12:15 |
| Client ID: | SB-57(2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/22/09 01:08 |
| Analytical Date: | 10/23/09 22:29 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/23/09 |
| Percent Solids: | 94% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.2 | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.2 | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.2 | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.2 | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.2 | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.2 | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.2 | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.2 | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | A |
| Decachlorobiphenyl | 67 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | B |
| Decachlorobiphenyl | 67 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/26/09 20:12
Analyst: GT

Extraction Method: EPA 3546
Extraction Date: 10/21/09 23:42
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/26/09
Cleanup Method2: - - - -
Cleanup Date2:

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-20 Batch: WG385403-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.9 |
| Aroclor 1221 | ND | | ug/kg | 34.9 |
| Aroclor 1232 | ND | | ug/kg | 34.9 |
| Aroclor 1242 | ND | | ug/kg | 34.9 |
| Aroclor 1248 | ND | | ug/kg | 34.9 |
| Aroclor 1254 | ND | | ug/kg | 34.9 |
| Aroclor 1260 | ND | | ug/kg | 34.9 |
| Aroclor 1262 | ND | | ug/kg | 34.9 |
| Aroclor 1268 | ND | | ug/kg | 34.9 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 | A |
| Decachlorobiphenyl | 83 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 | B |
| Decachlorobiphenyl | 79 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915002

**Project Number:** 222610.01 **Report Date:** 10/27/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/23/09 19:49
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 10/22/09 01:08
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/23/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 21-22 Batch: WG385407-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.9 |
| Aroclor 1221 | ND | | ug/kg | 34.9 |
| Aroclor 1232 | ND | | ug/kg | 34.9 |
| Aroclor 1242 | ND | | ug/kg | 34.9 |
| Aroclor 1248 | ND | | ug/kg | 34.9 |
| Aroclor 1254 | ND | | ug/kg | 34.9 |
| Aroclor 1260 | ND | | ug/kg | 34.9 |
| Aroclor 1262 | ND | | ug/kg | 34.9 |
| Aroclor 1268 | ND | | ug/kg | 34.9 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | A |
| Decachlorobiphenyl | 69 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 74 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-20 Batch: WG385403-2 WG385403-3 | | | | | | | | |
| Aroclor 1016 | 87 | | 82 | | 40-140 | 6 | | 50 |
| Aroclor 1260 | 81 | | 83 | | 40-140 | 2 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 63 | | 30-150 | A |
| Decachlorobiphenyl | 89 | | 91 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 62 | | 30-150 | B |
| Decachlorobiphenyl | 81 | | 80 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 21-22 Batch: WG385407-2 WG385407-3 | | | | | | | | |
| Aroclor 1016 | 62 | | 58 | | 40-140 | 7 | | 50 |
| Aroclor 1260 | 61 | | 60 | | 40-140 | 2 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 57 | | 30-150 | A |
| Decachlorobiphenyl | 74 | | 72 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 60 | | 30-150 | B |
| Decachlorobiphenyl | 76 | | 73 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-01
Client ID: SB-50(2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 10:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | 1 | - | 10/22/09 12:50 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-02
Client ID: SB-51(0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 11:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 10/22/09 12:50 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-03
Client ID: SB-51(1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 11:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 10/22/09 12:50 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-04
Client ID: SB-51(2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 11:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | 1 | - | 10/22/09 12:50 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-05
Client ID: SB-52(0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 11:45
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 10/22/09 12:50 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-06
Client ID: SB-52(1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 11:45
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/22/09 12:50 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-07
Client ID: SB-52(2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 11:45
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 10/22/09 12:50 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-08
Client ID: SB-53(0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 10:45
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 80 | | % | 0.10 | 1 | - | 10/22/09 12:50 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-09
Client ID: SB-53(1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 10:45
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 10/22/09 12:50 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-10
Client ID: SB-53(2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 10:45
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 10/22/09 12:50 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-11
Client ID: SB-54(0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 12:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 10/22/09 12:50 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-12
Client ID: SB-54(1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 12:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 10/22/09 12:50 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-13
Client ID: SB-54(2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 12:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 78 | | % | 0.10 | 1 | - | 10/22/09 12:50 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-14
Client ID: SB-55(0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 13:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | 1 | - | 10/22/09 12:50 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-15
Client ID: SB-55(1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 13:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 10/22/09 12:50 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-16
Client ID: SB-55(2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 13:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | 1 | - | 10/22/09 12:50 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-17
Client ID: SB-56(0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 12:45
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 10/22/09 13:12 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-18
Client ID: SB-56(1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 12:45
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | 1 | - | 10/22/09 13:12 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-19
Client ID: SB-56(2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 12:45
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/22/09 13:12 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-20
Client ID: SB-57(0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 12:15
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 10/22/09 13:12 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-21
Client ID: SB-57(1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 12:15
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | 1 | - | 10/22/09 13:12 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## SAMPLE RESULTS

Lab ID: L0915002-22
Client ID: SB-57(2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 12:15
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 10/22/09 13:12 | 30,2540G | TL |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 17-22 QC Batch ID: WG385513-1 QC Sample: L0915002-17 Client ID: SB-56(0'-1') | | | | | | |
| Solids, Total | 88 | 88 | % | 0 | | 20 |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915002
**Report Date:** 10/27/09

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |

### Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0915002-01A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-02A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-03A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-04A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-05A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-06A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-07A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-08A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-09A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-10A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-11A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-12A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-13A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-14A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-15A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-16A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-17A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-18A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-19A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-20A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-21A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915002-22A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |

*Hold days indicated by values in parentheses

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0915002 |
| **Project Number:** | 222610.01 | **Report Date:** | 10/27/09 |

## GLOSSARY

***Acronyms***

| | |
|---|---|
| EPA | · Environmental Protection Agency. |
| LCS | · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | · Laboratory Control Sample Duplicate: Refer to LCS. |
| MS | · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | · Matrix Spike Sample Duplicate: Refer to MS. |
| NA | · Not Applicable. |
| NC | · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| ND | · Not detected at the reported detection limit for the sample. |
| NI | · Not Ignitable. |
| RDL | · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.) |
| **R** | - Analytical results are from sample re-analysis. |
| **RE** | - Analytical results are from sample re-extraction. |
| **J** | - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs). |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0915002 |
| **Project Number:** | 222610.01 | **Report Date:** | 10/27/09 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised October 22, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Utah Department of Health** Certificate/Lab ID: AAMA. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: Chloride EPA 300.0)

**Analytes Not Accredited by NELAP**

Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes. **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

10270918:39

# CHAIN OF CUSTODY

PAGE 3 OF ~~5~~

ALPHA LABORATORIES
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 10/20/09

ALPHA Job #: L0915002

**Client Information**

Client: Woodard & Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 10/27/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program: BT Criteria: RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

RDEC

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 15002.1 | SB-50 (2'-3') | 10/20/09 | 1030 | S | GR | X | | 1 |
| 2 | SB-51 (0'-1') | | 1100 | | | X | | 1 |
| 3 | SB-51 (1'-2') | | | | | X | | 1 |
| 4 | SB-51 (2'-3') | | | | | X | | 1 |
| 5 | SB-52 (0'-1') | | 1145 | | | X | | 1 |
| 6 | SB-52 (1'-2') | | | | | X | | 1 |
| 7 | SB-52 (2'-3') | | | | | X | | 1 |
| 8 | SB-53 (0'-1') | | 1045 | | | X | | 1 |
| 9 | SB-53 (1'-2') | | | | | X | | 1 |
| 10 | SB-53 (2'-3') | | | | | X | | 1 |

**SAMPLE HANDLING**
Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do (Please specify below)

| | | |
|---|---|---|
| Container Type | A | |
| Preservative | A | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 10/20/09 1610 | | 10/20/09 1805 |
| | 10/20/09 | | |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

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# CHAIN OF CUSTODY

PAGE 4 OF 5

ALPHA TECHNICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 10/20/09

ALPHA Job #: L0915002

**Client Information**

Client: Woodard + Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: India St
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 10/27/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☑ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program: RI
Criteria: RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
RDEC

ANALYSIS: PCBs

**SAMPLE HANDLING**
Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 15002-11 | SB-54 (0'-1') | 10/20/09 | 1200 | S | GR | X | | 1 |
| 12 | SB-54 (1'-2') | | | | | X | | 1 |
| 13 | SB-54 (2'-3') | | | | | X | | 1 |
| 14 | SB-55 (0'-1') | | 1330 | | | X | | 1 |
| 15 | SB-55 (1'-2') | | | | | X | | 1 |
| 16 | SB-55 (2'-3') | | | | | X | | 1 |
| 17 | SB-56 (0'-1') | | 1245 | | | X | | 1 |
| 18 | SB-56 (1'-2') | | | | | X | | 1 |
| 19 | SB-56 (2'-3') | | | | | X | | 1 |
| 20 | SB-57 (0'-1') | | 1215 | | | X | | 1 |
| | | | | | | | | |

| | |
|---|---|
| Container Type | A |
| Preservative | A |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 10/20/09 1600 | | 10/20/09 1615 |
| | 10/20/09 | | 10/20/09 1800 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

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# CHAIN OF CUSTODY

PAGE 5 OF 5

ALPHA LABORATORIES
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 10/20/09

ALPHA Job #: L0915002

**Client Information**

Client: Woodard & Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 Industrial St
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 10/27/09 Time:

**Report Information - Data Deliverables**

☑ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☑ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RI Criteria RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

RDEC

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 150021 | SB-57 (1'-2') | 10/20/09 | 1215 | S | GR | X | | 1 |
| 22 | SB-57 (2'-3') | ↓ | ↓ | ↓ | ↓ | X | | 1 |

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type: A
Preservative: A

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 10/20/09 1615 | | 10/20/09 1615 |
| | 10/20/09 | | 10/20/09 1815 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L0915028 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Project Name: | 1 INDIA ST. |
| Project Number: | Not Specified |
| Report Date: | 10/28/09 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0915028
**Report Date:** 10/28/09

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0915028-01 | SB-48 (0'-1') | PROVIDENCE, RI | 10/20/09 11:15 |
| L0915028-02 | SB-48 (1'-2') | PROVIDENCE, RI | 10/20/09 11:15 |
| L0915028-03 | SB-48 (2'-3') | PROVIDENCE, RI | 10/20/09 11:15 |
| L0915028-04 | SB-48 (3'-4') | PROVIDENCE, RI | 10/20/09 11:15 |
| L0915028-05 | SB-49 (0'-1') | PROVIDENCE, RI | 10/20/09 11:30 |
| L0915028-06 | SB-49 (1'-2') | PROVIDENCE, RI | 10/20/09 11:30 |
| L0915028-07 | SB-49 (2'-3') | PROVIDENCE, RI | 10/20/09 11:30 |
| L0915028-08 | SB-49 (3'-4') | PROVIDENCE, RI | 10/20/09 11:30 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915028
**Project Number:** Not Specified **Report Date:** 10/28/09

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L0915028-01, -02, -05, and -06 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L0915028-01, -02, -05, and -06 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analyses are reported.

The WG385602-1 Method Blank, associated with L0915028-01, -02, -05, and -06, has a concentration above the reporting limit for Aroclor 1248. Since the associated sample concentrations are greater than 5x the blank concentration for this analyte, no qualification of the results was performed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons

Title: Technical Director/Representative Date: 10/28/09

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST. **Lab Number:** L0915028

**Project Number:** Not Specified **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915028-01 | Date Collected: | 10/20/09 11:15 |
| Client ID: | SB-48 (0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/22/09 18:56 |
| Analytical Date: | 10/27/09 17:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 82% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 54700 | | ug/kg | 8040 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915028

**Project Number:** Not Specified **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915028-01 | Date Collected: | 10/20/09 11:15 |
| Client ID: | SB-48 (0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/22/09 18:56 |
| Analytical Date: | 10/27/09 17:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 82% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 8040 | 200 |
| Aroclor 1221 | ND | | ug/kg | 8040 | 200 |
| Aroclor 1232 | ND | | ug/kg | 8040 | 200 |
| Aroclor 1242 | ND | | ug/kg | 8040 | 200 |
| Aroclor 1254 | 29600 | | ug/kg | 8040 | 200 |
| Aroclor 1260 | ND | | ug/kg | 8040 | 200 |
| Aroclor 1262 | ND | | ug/kg | 8040 | 200 |
| Aroclor 1268 | ND | | ug/kg | 8040 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915028

**Project Number:** Not Specified **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915028-02 | Date Collected: | 10/20/09 11:15 |
| Client ID: | SB-48 (1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/22/09 18:56 |
| Analytical Date: | 10/27/09 17:51 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 90% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 3560 | | ug/kg | 739 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915028

**Project Number:** Not Specified **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915028-02 | Date Collected: | 10/20/09 11:15 |
| Client ID: | SB-48 (1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/22/09 18:56 |
| Analytical Date: | 10/27/09 17:51 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 90% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 739 | 20 |
| Aroclor 1221 | ND | | ug/kg | 739 | 20 |
| Aroclor 1232 | ND | | ug/kg | 739 | 20 |
| Aroclor 1242 | ND | | ug/kg | 739 | 20 |
| Aroclor 1254 | 1530 | | ug/kg | 739 | 20 |
| Aroclor 1260 | ND | | ug/kg | 739 | 20 |
| Aroclor 1262 | ND | | ug/kg | 739 | 20 |
| Aroclor 1268 | ND | | ug/kg | 739 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915028

**Project Number:** Not Specified **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915028-03 | Date Collected: | 10/20/09 11:15 |
| Client ID: | SB-48 (2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/28/09 09:54 |
| Analytical Date: | 10/28/09 13:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/28/09 |
| Percent Solids: | 82% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1254 | 44.1 | | ug/kg | 39.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 | A |
| Decachlorobiphenyl | 83 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 85 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915028

**Project Number:** Not Specified **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915028-03 | Date Collected: | 10/20/09 11:15 |
| Client ID: | SB-48 (2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/28/09 09:54 |
| Analytical Date: | 10/28/09 13:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/28/09 |
| Percent Solids: | 82% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.1 | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.1 | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.1 | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.1 | 1 |
| Aroclor 1248 | 93.4 | | ug/kg | 39.1 | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.1 | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.1 | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 | A |
| Decachlorobiphenyl | 83 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 85 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915028

**Project Number:** Not Specified **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915028-04 | Date Collected: | 10/20/09 11:15 |
| Client ID: | SB-48 (3'-4') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/28/09 09:54 |
| Analytical Date: | 10/28/09 14:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/28/09 |
| Percent Solids: | 95% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.5 | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.5 | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.5 | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.5 | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.5 | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.5 | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.5 | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.5 | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 106 | | 30-150 | A |
| Decachlorobiphenyl | 131 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | B |
| Decachlorobiphenyl | 79 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915028

**Project Number:** Not Specified **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915028-05 | Date Collected: | 10/20/09 11:30 |
| Client ID: | SB-49 (0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/22/09 18:56 |
| Analytical Date: | 10/28/09 10:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 10600 | | ug/kg | 7830 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915028

**Project Number:** Not Specified **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915028-05 | Date Collected: | 10/20/09 11:30 |
| Client ID: | SB-49 (0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/22/09 18:56 |
| Analytical Date: | 10/28/09 10:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7830 | 200 |
| Aroclor 1221 | ND | | ug/kg | 7830 | 200 |
| Aroclor 1232 | ND | | ug/kg | 7830 | 200 |
| Aroclor 1242 | ND | | ug/kg | 7830 | 200 |
| Aroclor 1248 | 22400 | | ug/kg | 7830 | 200 |
| Aroclor 1260 | ND | | ug/kg | 7830 | 200 |
| Aroclor 1262 | ND | | ug/kg | 7830 | 200 |
| Aroclor 1268 | ND | | ug/kg | 7830 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915028

**Project Number:** Not Specified **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915028-06 | Date Collected: | 10/20/09 11:30 |
| Client ID: | SB-49 (1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/22/09 18:56 |
| Analytical Date: | 10/28/09 10:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 383 | | ug/kg | 366 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915028

**Project Number:** Not Specified **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915028-06 | Date Collected: | 10/20/09 11:30 |
| Client ID: | SB-49 (1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/22/09 18:56 |
| Analytical Date: | 10/28/09 10:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 10/26/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 366 | 10 |
| Aroclor 1221 | ND | | ug/kg | 366 | 10 |
| Aroclor 1232 | ND | | ug/kg | 366 | 10 |
| Aroclor 1242 | ND | | ug/kg | 366 | 10 |
| Aroclor 1248 | 937 | | ug/kg | 366 | 10 |
| Aroclor 1260 | ND | | ug/kg | 366 | 10 |
| Aroclor 1262 | ND | | ug/kg | 366 | 10 |
| Aroclor 1268 | ND | | ug/kg | 366 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915028

**Project Number:** Not Specified **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915028-07 | Date Collected: | 10/20/09 11:30 |
| Client ID: | SB-49 (2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/28/09 09:54 |
| Analytical Date: | 10/28/09 14:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/28/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.6 | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.6 | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.6 | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.6 | 1 |
| Aroclor 1248 | 273 | | ug/kg | 37.6 | 1 |
| Aroclor 1254 | 205 | | ug/kg | 37.6 | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.6 | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.6 | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.6 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | A |
| Decachlorobiphenyl | 95 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 86 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915028

**Project Number:** Not Specified **Report Date:** 10/28/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915028-08 | Date Collected: | 10/20/09 11:30 |
| Client ID: | SB-49 (3'-4') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 10/28/09 09:54 |
| Analytical Date: | 10/28/09 14:35 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 10/28/09 |
| Percent Solids: | 94% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.2 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.2 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.2 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.2 | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.2 | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.2 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.2 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.2 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | A |
| Decachlorobiphenyl | 86 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | B |
| Decachlorobiphenyl | 79 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915028

**Project Number:** Not Specified **Report Date:** 10/28/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/26/09 18:35
Analyst: GT

Extraction Method: EPA 3546
Extraction Date: 10/22/09 19:00
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/26/09
Cleanup Method2: - - - -
Cleanup Date2:

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-02,05-06 Batch: WG385602-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 |
| Aroclor 1221 | ND | | ug/kg | 33.6 |
| Aroclor 1232 | ND | | ug/kg | 33.6 |
| Aroclor 1242 | ND | | ug/kg | 33.6 |
| Aroclor 1248 | 76.9 | | ug/kg | 33.6 |
| Aroclor 1254 | ND | | ug/kg | 33.6 |
| Aroclor 1260 | ND | | ug/kg | 33.6 |
| Aroclor 1262 | ND | | ug/kg | 33.6 |
| Aroclor 1268 | ND | | ug/kg | 33.6 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | A |
| Decachlorobiphenyl | 92 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | B |
| Decachlorobiphenyl | 90 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified
**Lab Number:** L0915028
**Report Date:** 10/28/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/28/09 13:21
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 10/28/09 09:54
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/28/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 03-04,07-08 Batch: WG386363-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 31.9 |
| Aroclor 1221 | ND | | ug/kg | 31.9 |
| Aroclor 1232 | ND | | ug/kg | 31.9 |
| Aroclor 1242 | ND | | ug/kg | 31.9 |
| Aroclor 1248 | ND | | ug/kg | 31.9 |
| Aroclor 1254 | ND | | ug/kg | 31.9 |
| Aroclor 1260 | ND | | ug/kg | 31.9 |
| Aroclor 1262 | ND | | ug/kg | 31.9 |
| Aroclor 1268 | ND | | ug/kg | 31.9 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | A |
| Decachlorobiphenyl | 95 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | B |
| Decachlorobiphenyl | 95 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0915028
**Report Date:** 10/28/09

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-02,05-06 Batch: WG385602-2 WG385602-3 | | | | | | | | |
| Aroclor 1016 | 68 | | 72 | | 40-140 | 6 | | 50 |
| Aroclor 1260 | 65 | | 66 | | 40-140 | 2 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 77 | | 30-150 | A |
| Decachlorobiphenyl | 87 | | 99 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 86 | | 30-150 | B |
| Decachlorobiphenyl | 83 | | 102 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 03-04,07-08 Batch: WG386363-2 WG386363-3 | | | | | | | | |
| Aroclor 1016 | 74 | | 70 | | 40-140 | 6 | | 50 |
| Aroclor 1260 | 73 | | 71 | | 40-140 | 3 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 74 | | 30-150 | A |
| Decachlorobiphenyl | 94 | | 103 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 80 | | 30-150 | B |
| Decachlorobiphenyl | 90 | | 99 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0915028
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915028-01
Client ID: SB-48 (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 11:15
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | 1 | - | 10/23/09 13:56 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0915028
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915028-02
Client ID: SB-48 (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 11:15
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 10/23/09 13:56 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0915028
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915028-03
Client ID: SB-48 (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 11:15
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | 1 | - | 10/23/09 13:56 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0915028
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915028-04
Client ID: SB-48 (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 11:15
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | 1 | - | 10/23/09 13:56 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0915028
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915028-05
Client ID: SB-49 (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 11:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/23/09 13:56 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0915028
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915028-06
Client ID: SB-49 (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 11:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 10/23/09 13:56 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0915028
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915028-07
Client ID: SB-49 (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 11:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 10/23/09 13:56 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0915028
**Report Date:** 10/28/09

## SAMPLE RESULTS

Lab ID: L0915028-08
Client ID: SB-49 (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 11:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 10/23/09 13:56 | 30,2540G | TL |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0915028
**Report Date:** 10/28/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG385748-1 QC Sample: L0915028-01 Client ID: SB-48 (0'-1') | | | | | | |
| Solids, Total | 82 | 83 | % | 1 | | 20 |

**Project Name:** 1 INDIA ST.
**Project Number:** Not Specified

**Lab Number:** L0915028
**Report Date:** 10/28/09

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Cooler Information**

| Cooler | Custody Seal |
|---|---|
| B | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0915028-01A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915028-02A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915028-03A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915028-04A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915028-05A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915028-06A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915028-07A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915028-08A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |

*Hold days indicated by values in parentheses

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0915028 |
| **Project Number:** | Not Specified | **Report Date:** | 10/28/09 |

## GLOSSARY

***Acronyms***

| | |
|---|---|
| EPA | · Environmental Protection Agency. |
| LCS | · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | · Laboratory Control Sample Duplicate: Refer to LCS. |
| MS | · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | · Matrix Spike Sample Duplicate: Refer to MS. |
| NA | · Not Applicable. |
| NC | · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| ND | · Not detected at the reported detection limit for the sample. |
| NI | · Not Ignitable. |
| RDL | · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.) |
| **R** | - Analytical results are from sample re-analysis. |
| **RE** | - Analytical results are from sample re-extraction. |
| **J** | - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs). |

*Report Format:* Data Usability Report

**Project Name:** 1 INDIA ST. **Lab Number:** L0915028

**Project Number:** Not Specified **Report Date:** 10/28/09

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised October 22, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Utah Department of Health** Certificate/Lab ID: AAMA. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: Chloride EPA 300.0)

**Analytes Not Accredited by NELAP**

Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes. **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

# CHAIN OF CUSTODY

PAGE 3 OF 8

ALPHA LABORATORIES
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 10/20/09

ALPHA Job #: L1091503B

**Client Information**

Client: Woodard & Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: India St
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 10/26/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☑ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program: RI Criteria: RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

RDEC

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs (Hold) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| | SB-47 (2'-3') | 10/20/09 | 1015 | S | GR | X | Please hold | 1 |
| | SB-47 (3'-4') | | | | | X | analysis until | 1 |
| | SB-47 (4'-5') | | | | | X | instructed by | 1 |
| | SB-47 (5'-6') | | | | | X | W&C | 1 |
| 5028.1 | SB-48 (0'-1') | | 1115 | | | X | | 1 |
| .2 | SB-48 (1'-2') | | | | | X | | 1 |
| .3 | SB-48 (2'-3') | | | | | X | | 1 |
| .4 | SB-48 (3'-4') | | | | | X | | 1 |
| | SB-48 (4'-5') | | | | | X | | 1 |
| | SB-48 (5'-6') | | | | | X | | 1 |

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type: A A
Preservative: A A

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 10/20/09 1610 | | 10/20/09 1610 |
| | 10/20/09 1730 | | 10/20/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 4 OF 8

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 10/20/09

ALPHA Job #: L0915028

**Client Information**

Client: Woodard & Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 10/28/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☑ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program: RI Criteria: RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☑ No Are MCP Analytical Methods Required?

☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

RDEC

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs (Hold) | SAMPLE HANDLING | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|
| 5028.5 | SB-49 (0'-1') | 10/20/09 | 1130 | S | GR | X | | Please hold analysis until instructed by W&C | 1 |
| .6 | SB-49 (1'-2') | | | | | X | | | 1 |
| .7 | SB-49 (2'-3') | | | | | X | | | 1 |
| .8 | SB-49 (3'-4') | | | | | X | | | 1 |
| | SB-49 (4'-5') | | | | | X | | | 1 |
| | SB-49 (5'-6') | | | | | X | | | 1 |
| | SB-50 (3'-4') | | 1030 | | | X | | | 1 |
| | SB-50 (4'-5') | | | | | X | | | 1 |
| | SB-50 (5'-6') | | | | | X | | | 1 |
| | SB-51 (3'-4') | | 1100 | | | X | | | 1 |

Container Type: A

Preservative: A

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

FORM NO: 01-01 (rev. 14-OCT-07)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 10/20/09 1610 | | 10/20/09 1610 |
| | 10/20/09 1730 | | 10/20/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L0915740 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Project Name: | 1 INDIA ST. |
| Project Number: | 222610.01 |
| Report Date: | 11/10/09 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0915740-01 | SB-47 (0'-1') | PROVIDENCE, RI | 10/20/09 10:15 |
| L0915740-02 | SB-47 (1'-2') | PROVIDENCE, RI | 10/20/09 10:15 |
| L0915740-03 | SB-47 (2'-3') | PROVIDENCE, RI | 10/20/09 10:15 |
| L0915740-04 | SB-50 (3'-4') | PROVIDENCE, RI | 10/20/09 10:30 |
| L0915740-05 | SB-50 (4'-5') | PROVIDENCE, RI | 10/20/09 10:30 |
| L0915740-06 | SB-50 (5'-6') | PROVIDENCE, RI | 10/20/09 10:30 |
| L0915740-07 | SB-53 (3'-4') | PROVIDENCE, RI | 10/20/09 10:45 |
| L0915740-08 | SB-53 (4'-5') | PROVIDENCE, RI | 10/20/09 10:45 |
| L0915740-09 | SB-53 (5'-6') | PROVIDENCE, RI | 10/20/09 10:15 |
| L0915740-10 | SB-55 (3'-4') | PROVIDENCE, RI | 10/20/09 13:30 |
| L0915740-11 | SB-55 (4'-5') | PROVIDENCE, RI | 10/20/09 13:30 |
| L0915740-12 | SB-55 (5'-6') | PROVIDENCE, RI | 10/20/09 13:30 |
| L0915740-13 | SB-56 (3'-4') | PROVIDENCE, RI | 10/20/09 12:45 |
| L0915740-14 | SB-56 (4'-5') | PROVIDENCE, RI | 10/20/09 12:45 |
| L0915740-15 | SB-56 (5'-6') | PROVIDENCE, RI | 10/20/09 12:45 |
| L0915740-16 | SB-58 (0'-1') | PROVIDENCE, RI | 10/20/09 13:15 |
| L0915740-17 | SB-58 (1'-2') | PROVIDENCE, RI | 10/20/09 13:15 |
| L0915740-18 | SB-58 (2'-3') | PROVIDENCE, RI | 10/20/09 13:15 |
| L0915740-19 | SB-59 (0'-1') | PROVIDENCE, RI | 10/20/09 13:00 |
| L0915740-20 | SB-59 (1'-2') | PROVIDENCE, RI | 10/20/09 13:00 |
| L0915740-21 | SB-59 (2'-3') | PROVIDENCE, RI | 10/20/09 13:00 |
| L0915740-22 | SB-60 (0'-1') | PROVIDENCE, RI | 10/20/09 12:30 |
| L0915740-23 | SB-60 (1'-2') | PROVIDENCE, RI | 10/20/09 12:30 |
| L0915740-24 | SB-60 (2'-3') | PROVIDENCE, RI | 10/20/09 12:30 |
| L0915740-25 | SB-47 (3'-4') | PROVIDENCE, RI | 10/20/09 10:15 |
| L0915740-26 | SB-47 (4'-5') | PROVIDENCE, RI | 10/20/09 10:15 |
| L0915740-27 | SB-47 (5'-6') | PROVIDENCE, RI | 10/20/09 10:15 |
| L0915740-28 | SB-58 (3'-4') | PROVIDENCE, RI | 10/20/09 13:15 |
| L0915740-29 | SB-58 (4'-5') | PROVIDENCE, RI | 10/20/09 13:15 |
| L0915740-30 | SB-58 (5'-6') | PROVIDENCE, RI | 10/20/09 13:15 |
| L0915740-31 | SB-59 (3'-4') | PROVIDENCE, RI | 10/20/09 13:00 |

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0915740-32 | SB-59 (4'-5') | PROVIDENCE, RI | 10/20/09 13:00 |
| L0915740-33 | SB-59 (5'-6') | PROVIDENCE, RI | 10/20/09 13:00 |
| L0915740-34 | SB-60 (3'-4') | PROVIDENCE, RI | 10/20/09 12:30 |
| L0915740-35 | SB-60 (4'-5') | PROVIDENCE, RI | 10/20/09 12:30 |
| L0915740-36 | SB-60 (5'-6') | PROVIDENCE, RI | 10/20/09 12:30 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0915740 |
| **Project Number:** | 222610.01 | **Report Date:** | 11/10/09 |

**Case Narrative**

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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PCB

L0915740-01 through -13, -16, -17 and -19 through -23 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L0915740-01 through -13, -16 and -19 through -23 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analyses are reported.

The WG387600-1 Method Blank, associated with L0915740-21 and -22, has a concentration above the reporting limit for Aroclor 1248. Since the associated sample concentrations are greater than 5x the blank

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0915740 |
| **Project Number:** | 222610.01 | **Report Date:** | 11/10/09 |

**Case Narrative (continued)**

concentration for this analyte, no qualification of the results was performed.

The WG387600-1 Method Blank, associated with L0915740-24, has a concentration above the reporting limit for Aroclor 1248. Since the sample was non-detect for this target analyte, no further actions were taken. The results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons

Title: Technical Director/Representative Date: 11/10/09

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-01 | Date Collected: | 10/20/09 10:15 |
| Client ID: | SB-47 (0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 19:04 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 85% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 2700000 | | ug/kg | 795000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-01 | Date Collected: | 10/20/09 10:15 |
| Client ID: | SB-47 (0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 19:04 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 85% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 795000 | 20000 |
| Aroclor 1221 | ND | | ug/kg | 795000 | 20000 |
| Aroclor 1232 | ND | | ug/kg | 795000 | 20000 |
| Aroclor 1242 | ND | | ug/kg | 795000 | 20000 |
| Aroclor 1254 | ND | | ug/kg | 795000 | 20000 |
| Aroclor 1260 | ND | | ug/kg | 795000 | 20000 |
| Aroclor 1262 | ND | | ug/kg | 795000 | 20000 |
| Aroclor 1268 | ND | | ug/kg | 795000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-02 | Date Collected: | 10/20/09 10:15 |
| Client ID: | SB-47 (1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 19:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 1910000 | | ug/kg | 773000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-02 | Date Collected: | 10/20/09 10:15 |
| Client ID: | SB-47 (1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 19:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 773000 | 20000 |
| Aroclor 1221 | ND | | ug/kg | 773000 | 20000 |
| Aroclor 1232 | ND | | ug/kg | 773000 | 20000 |
| Aroclor 1242 | ND | | ug/kg | 773000 | 20000 |
| Aroclor 1254 | ND | | ug/kg | 773000 | 20000 |
| Aroclor 1260 | ND | | ug/kg | 773000 | 20000 |
| Aroclor 1262 | ND | | ug/kg | 773000 | 20000 |
| Aroclor 1268 | ND | | ug/kg | 773000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-03 | Date Collected: | 10/20/09 10:15 |
| Client ID: | SB-47 (2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 10:43 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 87% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 380 | 10 |
| Aroclor 1221 | ND | | ug/kg | 380 | 10 |
| Aroclor 1232 | ND | | ug/kg | 380 | 10 |
| Aroclor 1242 | ND | | ug/kg | 380 | 10 |
| Aroclor 1248 | 4450 | | ug/kg | 380 | 10 |
| Aroclor 1254 | 764 | | ug/kg | 380 | 10 |
| Aroclor 1260 | ND | | ug/kg | 380 | 10 |
| Aroclor 1262 | ND | | ug/kg | 380 | 10 |
| Aroclor 1268 | ND | | ug/kg | 380 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-04 | Date Collected: | 10/20/09 10:30 |
| Client ID: | SB-50 (3'-4') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 20:05 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 95% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 176000 | 5000 |
| Aroclor 1221 | ND | | ug/kg | 176000 | 5000 |
| Aroclor 1232 | ND | | ug/kg | 176000 | 5000 |
| Aroclor 1242 | ND | | ug/kg | 176000 | 5000 |
| Aroclor 1254 | ND | | ug/kg | 176000 | 5000 |
| Aroclor 1260 | ND | | ug/kg | 176000 | 5000 |
| Aroclor 1262 | ND | | ug/kg | 176000 | 5000 |
| Aroclor 1268 | ND | | ug/kg | 176000 | 5000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-04 | Date Collected: | 10/20/09 10:30 |
| Client ID: | SB-50 (3'-4') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 20:05 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 95% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 1410000 | | ug/kg | 176000 | 5000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-05 | Date Collected: | 10/20/09 10:30 |
| Client ID: | SB-50 (4'-5') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 19:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 94% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 1820000 | | ug/kg | 733000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-05 | Date Collected: | 10/20/09 10:30 |
| Client ID: | SB-50 (4'-5') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 19:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 94% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 733000 | 20000 |
| Aroclor 1221 | ND | | ug/kg | 733000 | 20000 |
| Aroclor 1232 | ND | | ug/kg | 733000 | 20000 |
| Aroclor 1242 | ND | | ug/kg | 733000 | 20000 |
| Aroclor 1254 | ND | | ug/kg | 733000 | 20000 |
| Aroclor 1260 | ND | | ug/kg | 733000 | 20000 |
| Aroclor 1262 | ND | | ug/kg | 733000 | 20000 |
| Aroclor 1268 | ND | | ug/kg | 733000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-06 | Date Collected: | 10/20/09 10:30 |
| Client ID: | SB-50 (5'-6') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 19:53 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 730000 | 20000 |
| Aroclor 1221 | ND | | ug/kg | 730000 | 20000 |
| Aroclor 1232 | ND | | ug/kg | 730000 | 20000 |
| Aroclor 1242 | ND | | ug/kg | 730000 | 20000 |
| Aroclor 1254 | ND | | ug/kg | 730000 | 20000 |
| Aroclor 1260 | ND | | ug/kg | 730000 | 20000 |
| Aroclor 1262 | ND | | ug/kg | 730000 | 20000 |
| Aroclor 1268 | ND | | ug/kg | 730000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-06 | Date Collected: | 10/20/09 10:30 |
| Client ID: | SB-50 (5'-6') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 19:53 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 1500000 | | ug/kg | 730000 | 20000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-07 | Date Collected: | 10/20/09 10:45 |
| Client ID: | SB-53 (3'-4') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 20:18 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 92% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 360000 | 10000 |
| Aroclor 1221 | ND | | ug/kg | 360000 | 10000 |
| Aroclor 1232 | ND | | ug/kg | 360000 | 10000 |
| Aroclor 1242 | ND | | ug/kg | 360000 | 10000 |
| Aroclor 1254 | ND | | ug/kg | 360000 | 10000 |
| Aroclor 1260 | ND | | ug/kg | 360000 | 10000 |
| Aroclor 1262 | ND | | ug/kg | 360000 | 10000 |
| Aroclor 1268 | ND | | ug/kg | 360000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-07 | Date Collected: | 10/20/09 10:45 |
| Client ID: | SB-53 (3'-4') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 20:18 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 92% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 1030000 | | ug/kg | 360000 | 10000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-08 | Date Collected: | 10/20/09 10:45 |
| Client ID: | SB-53 (4'-5') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/10/09 12:07 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 87% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 77900 | 2000 |
| Aroclor 1221 | ND | | ug/kg | 77900 | 2000 |
| Aroclor 1232 | ND | | ug/kg | 77900 | 2000 |
| Aroclor 1242 | ND | | ug/kg | 77900 | 2000 |
| Aroclor 1248 | 315000 | | ug/kg | 77900 | 2000 |
| Aroclor 1254 | ND | | ug/kg | 77900 | 2000 |
| Aroclor 1260 | ND | | ug/kg | 77900 | 2000 |
| Aroclor 1262 | ND | | ug/kg | 77900 | 2000 |
| Aroclor 1268 | ND | | ug/kg | 77900 | 2000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-09 | Date Collected: | 10/20/09 10:15 |
| Client ID: | SB-53 (5'-6') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/10/09 12:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 87% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38300 | 1000 |
| Aroclor 1221 | ND | | ug/kg | 38300 | 1000 |
| Aroclor 1232 | ND | | ug/kg | 38300 | 1000 |
| Aroclor 1242 | ND | | ug/kg | 38300 | 1000 |
| Aroclor 1248 | 639000 | | ug/kg | 38300 | 1000 |
| Aroclor 1254 | ND | | ug/kg | 38300 | 1000 |
| Aroclor 1260 | ND | | ug/kg | 38300 | 1000 |
| Aroclor 1262 | ND | | ug/kg | 38300 | 1000 |
| Aroclor 1268 | ND | | ug/kg | 38300 | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-10 | Date Collected: | 10/20/09 13:30 |
| Client ID: | SB-55 (3'-4') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 20:42 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 95% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7160 | 200 |
| Aroclor 1221 | ND | | ug/kg | 7160 | 200 |
| Aroclor 1232 | ND | | ug/kg | 7160 | 200 |
| Aroclor 1242 | ND | | ug/kg | 7160 | 200 |
| Aroclor 1254 | 76500 | | ug/kg | 7160 | 200 |
| Aroclor 1260 | ND | | ug/kg | 7160 | 200 |
| Aroclor 1262 | ND | | ug/kg | 7160 | 200 |
| Aroclor 1268 | ND | | ug/kg | 7160 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-10 | Date Collected: | 10/20/09 13:30 |
| Client ID: | SB-55 (3'-4') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 20:42 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 95% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 99400 | | ug/kg | 7160 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-11 | Date Collected: | 10/20/09 13:30 |
| Client ID: | SB-55 (4'-5') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 20:54 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 92% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3640 | 100 |
| Aroclor 1221 | ND | | ug/kg | 3640 | 100 |
| Aroclor 1232 | ND | | ug/kg | 3640 | 100 |
| Aroclor 1242 | ND | | ug/kg | 3640 | 100 |
| Aroclor 1260 | ND | | ug/kg | 3640 | 100 |
| Aroclor 1262 | ND | | ug/kg | 3640 | 100 |
| Aroclor 1268 | ND | | ug/kg | 3640 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-11 | Date Collected: | 10/20/09 13:30 |
| Client ID: | SB-55 (4'-5') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 20:54 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 92% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 27600 | | ug/kg | 3640 | 100 |
| Aroclor 1254 | 19900 | | ug/kg | 3640 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-12 | Date Collected: | 10/20/09 13:30 |
| Client ID: | SB-55 (5'-6') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 21:07 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 89% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3680 | 100 |
| Aroclor 1221 | ND | | ug/kg | 3680 | 100 |
| Aroclor 1232 | ND | | ug/kg | 3680 | 100 |
| Aroclor 1242 | ND | | ug/kg | 3680 | 100 |
| Aroclor 1260 | ND | | ug/kg | 3680 | 100 |
| Aroclor 1262 | ND | | ug/kg | 3680 | 100 |
| Aroclor 1268 | ND | | ug/kg | 3680 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-12 | Date Collected: | 10/20/09 13:30 |
| Client ID: | SB-55 (5'-6') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 21:07 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 89% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 31200 | | ug/kg | 3680 | 100 |
| Aroclor 1254 | 18700 | | ug/kg | 3680 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-13 | Date Collected: | 10/20/09 12:45 |
| Client ID: | SB-56 (3'-4') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 21:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 92% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 351 | 10 |
| Aroclor 1221 | ND | | ug/kg | 351 | 10 |
| Aroclor 1232 | ND | | ug/kg | 351 | 10 |
| Aroclor 1242 | ND | | ug/kg | 351 | 10 |
| Aroclor 1254 | ND | | ug/kg | 351 | 10 |
| Aroclor 1260 | ND | | ug/kg | 351 | 10 |
| Aroclor 1262 | ND | | ug/kg | 351 | 10 |
| Aroclor 1268 | ND | | ug/kg | 351 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-13 | Date Collected: | 10/20/09 12:45 |
| Client ID: | SB-56 (3'-4') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 21:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 92% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 1920 | | ug/kg | 351 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-14 | Date Collected: | 10/20/09 12:45 |
| Client ID: | SB-56 (4'-5') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/10/09 12:32 |
| Analytical Date: | 11/10/09 16:03 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 11/10/09 |
| Percent Solids: | 92% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 298 | | ug/kg | 35.4 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 70 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-14 | Date Collected: | 10/20/09 12:45 |
| Client ID: | SB-56 (4'-5') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/10/09 12:32 |
| Analytical Date: | 11/10/09 16:03 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 11/10/09 |
| Percent Solids: | 92% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.4 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.4 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.4 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.4 | 1 |
| Aroclor 1254 | 124 | | ug/kg | 35.4 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.4 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.4 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.4 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 70 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-15 | Date Collected: | 10/20/09 12:45 |
| Client ID: | SB-56 (5'-6') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/06/09 19:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 85% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 405 | | ug/kg | 39.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 90 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | B |
| Decachlorobiphenyl | 102 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-15 | Date Collected: | 10/20/09 12:45 |
| Client ID: | SB-56 (5'-6') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/06/09 19:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 85% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.3 | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.3 | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.3 | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.3 | 1 |
| Aroclor 1254 | 146 | | ug/kg | 39.3 | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.3 | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.3 | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 90 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | B |
| Decachlorobiphenyl | 102 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-16 | Date Collected: | 10/20/09 13:15 |
| Client ID: | SB-58 (0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 21:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 19600 | 500 |
| Aroclor 1221 | ND | | ug/kg | 19600 | 500 |
| Aroclor 1232 | ND | | ug/kg | 19600 | 500 |
| Aroclor 1242 | ND | | ug/kg | 19600 | 500 |
| Aroclor 1254 | 89600 | | ug/kg | 19600 | 500 |
| Aroclor 1260 | ND | | ug/kg | 19600 | 500 |
| Aroclor 1262 | ND | | ug/kg | 19600 | 500 |
| Aroclor 1268 | ND | | ug/kg | 19600 | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-16 | Date Collected: | 10/20/09 13:15 |
| Client ID: | SB-58 (0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 21:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 178000 | | ug/kg | 19600 | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-17 | Date Collected: | 10/20/09 13:15 |
| Client ID: | SB-58 (1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 21:43 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 76% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 1400 | | ug/kg | 220 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | A |
| Decachlorobiphenyl | 61 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-17 | Date Collected: | 10/20/09 13:15 |
| Client ID: | SB-58 (1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 21:43 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 76% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 220 | 5 |
| Aroclor 1221 | ND | | ug/kg | 220 | 5 |
| Aroclor 1232 | ND | | ug/kg | 220 | 5 |
| Aroclor 1242 | ND | | ug/kg | 220 | 5 |
| Aroclor 1254 | 2140 | | ug/kg | 220 | 5 |
| Aroclor 1260 | ND | | ug/kg | 220 | 5 |
| Aroclor 1262 | ND | | ug/kg | 220 | 5 |
| Aroclor 1268 | ND | | ug/kg | 220 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | A |
| Decachlorobiphenyl | 61 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-18 | Date Collected: | 10/20/09 13:15 |
| Client ID: | SB-58 (2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/10/09 12:32 |
| Analytical Date: | 11/10/09 16:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 11/10/09 |
| Percent Solids: | 94% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.4 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | A |
| Decachlorobiphenyl | 63 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 77 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-19 | Date Collected: | 10/20/09 13:00 |
| Client ID: | SB-59 (0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 22:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 90% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 17800 | | ug/kg | 3580 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-19 | Date Collected: | 10/20/09 13:00 |
| Client ID: | SB-59 (0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 22:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 90% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3580 | 100 |
| Aroclor 1221 | ND | | ug/kg | 3580 | 100 |
| Aroclor 1232 | ND | | ug/kg | 3580 | 100 |
| Aroclor 1242 | ND | | ug/kg | 3580 | 100 |
| Aroclor 1254 | ND | | ug/kg | 3580 | 100 |
| Aroclor 1260 | ND | | ug/kg | 3580 | 100 |
| Aroclor 1262 | ND | | ug/kg | 3580 | 100 |
| Aroclor 1268 | ND | | ug/kg | 3580 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-20 | Date Collected: | 10/20/09 13:00 |
| Client ID: | SB-59 (1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 22:33 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 84% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 39000 | | ug/kg | 4000 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-20 | Date Collected: | 10/20/09 13:00 |
| Client ID: | SB-59 (1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:51 |
| Analytical Date: | 11/09/09 22:33 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 84% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 4000 | 100 |
| Aroclor 1221 | ND | | ug/kg | 4000 | 100 |
| Aroclor 1232 | ND | | ug/kg | 4000 | 100 |
| Aroclor 1242 | ND | | ug/kg | 4000 | 100 |
| Aroclor 1254 | 17400 | | ug/kg | 4000 | 100 |
| Aroclor 1260 | ND | | ug/kg | 4000 | 100 |
| Aroclor 1262 | ND | | ug/kg | 4000 | 100 |
| Aroclor 1268 | ND | | ug/kg | 4000 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-21 | Date Collected: | 10/20/09 13:00 |
| Client ID: | SB-59 (2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:59 |
| Analytical Date: | 11/10/09 12:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 85% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 17600 | | ug/kg | 7900 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-21 | Date Collected: | 10/20/09 13:00 |
| Client ID: | SB-59 (2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:59 |
| Analytical Date: | 11/10/09 12:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 85% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7900 | 200 |
| Aroclor 1221 | ND | | ug/kg | 7900 | 200 |
| Aroclor 1232 | ND | | ug/kg | 7900 | 200 |
| Aroclor 1242 | ND | | ug/kg | 7900 | 200 |
| Aroclor 1248 | 40900 | | ug/kg | 7900 | 200 |
| Aroclor 1260 | ND | | ug/kg | 7900 | 200 |
| Aroclor 1262 | ND | | ug/kg | 7900 | 200 |
| Aroclor 1268 | ND | | ug/kg | 7900 | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-22 | Date Collected: | 10/20/09 12:30 |
| Client ID: | SB-60 (0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:59 |
| Analytical Date: | 11/09/09 18:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 11300 | | ug/kg | 761 | 20 |
| Aroclor 1254 | 7430 | | ug/kg | 761 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-22 | Date Collected: | 10/20/09 12:30 |
| Client ID: | SB-60 (0'-1') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:59 |
| Analytical Date: | 11/09/09 18:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 761 | 20 |
| Aroclor 1221 | ND | | ug/kg | 761 | 20 |
| Aroclor 1232 | ND | | ug/kg | 761 | 20 |
| Aroclor 1242 | ND | | ug/kg | 761 | 20 |
| Aroclor 1260 | ND | | ug/kg | 761 | 20 |
| Aroclor 1262 | ND | | ug/kg | 761 | 20 |
| Aroclor 1268 | ND | | ug/kg | 761 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-23 | Date Collected: | 10/20/09 12:30 |
| Client ID: | SB-60 (1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 11/09/09 18:22 |
| Analytical Date: | 11/10/09 15:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 11/10/09 |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 388 | 10 |
| Aroclor 1221 | ND | | ug/kg | 388 | 10 |
| Aroclor 1232 | ND | | ug/kg | 388 | 10 |
| Aroclor 1242 | ND | | ug/kg | 388 | 10 |
| Aroclor 1254 | 1120 | | ug/kg | 388 | 10 |
| Aroclor 1260 | ND | | ug/kg | 388 | 10 |
| Aroclor 1262 | ND | | ug/kg | 388 | 10 |
| Aroclor 1268 | ND | | ug/kg | 388 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-23 | Date Collected: | 10/20/09 12:30 |
| Client ID: | SB-60 (1'-2') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 11/09/09 18:22 |
| Analytical Date: | 11/10/09 15:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 11/10/09 |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 1690 | | ug/kg | 388 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0915740-24 | Date Collected: | 10/20/09 12:30 |
| Client ID: | SB-60 (2'-3') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:59 |
| Analytical Date: | 11/05/09 20:17 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 96% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 | A |
| Decachlorobiphenyl | 79 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | B |
| Decachlorobiphenyl | 99 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 11/05/09 00:13
Analyst: JC

Extraction Method: EPA 3546
Extraction Date: 11/04/09 19:51
Cleanup Method1: EPA 3665A
Cleanup Date1: 11/05/09
Cleanup Method2: - - - -
Cleanup Date2:

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-13,15-17,19-20 Batch: WG387599-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 |
| Aroclor 1221 | ND | | ug/kg | 33.6 |
| Aroclor 1232 | ND | | ug/kg | 33.6 |
| Aroclor 1242 | ND | | ug/kg | 33.6 |
| Aroclor 1248 | ND | | ug/kg | 33.6 |
| Aroclor 1254 | ND | | ug/kg | 33.6 |
| Aroclor 1260 | ND | | ug/kg | 33.6 |
| Aroclor 1262 | ND | | ug/kg | 33.6 |
| Aroclor 1268 | ND | | ug/kg | 33.6 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 81 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 86 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 11/05/09 18:50
Analyst: JC

Extraction Method: EPA 3546
Extraction Date: 11/04/09 19:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 11/05/09
Cleanup Method2: - - - -
Cleanup Date2:

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 21-22,24-36 Batch: WG387600-1 | | | | |
| Aroclor 1248 | 49.4 | | ug/kg | 32.9 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | A |
| Decachlorobiphenyl | 83 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | B |
| Decachlorobiphenyl | 90 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 11/05/09 18:50
Analyst: JC

Extraction Method: EPA 3546
Extraction Date: 11/04/09 19:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 11/05/09
Cleanup Method2: - - - -
Cleanup Date2:

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 21-22,24-36 Batch: WG387600-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.9 |
| Aroclor 1221 | ND | | ug/kg | 32.9 |
| Aroclor 1232 | ND | | ug/kg | 32.9 |
| Aroclor 1242 | ND | | ug/kg | 32.9 |
| Aroclor 1254 | ND | | ug/kg | 32.9 |
| Aroclor 1260 | ND | | ug/kg | 32.9 |
| Aroclor 1262 | ND | | ug/kg | 32.9 |
| Aroclor 1268 | ND | | ug/kg | 32.9 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | A |
| Decachlorobiphenyl | 83 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | B |
| Decachlorobiphenyl | 90 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 11/10/09 12:58
Analyst: SH

Extraction Method: EPA 3540C
Extraction Date: 11/09/09 18:22
Cleanup Method1: EPA 3665A
Cleanup Date1: 11/09/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 23 Batch: WG388261-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.4 |
| Aroclor 1221 | ND | | ug/kg | 32.4 |
| Aroclor 1232 | ND | | ug/kg | 32.4 |
| Aroclor 1242 | ND | | ug/kg | 32.4 |
| Aroclor 1248 | ND | | ug/kg | 32.4 |
| Aroclor 1254 | ND | | ug/kg | 32.4 |
| Aroclor 1260 | ND | | ug/kg | 32.4 |
| Aroclor 1262 | ND | | ug/kg | 32.4 |
| Aroclor 1268 | ND | | ug/kg | 32.4 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | A |
| Decachlorobiphenyl | 75 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 84 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0915740

**Project Number:** 222610.01 **Report Date:** 11/10/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 11/10/09 15:50
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 11/10/09 04:34
Cleanup Method1: EPA 3665A
Cleanup Date1: 11/10/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 14,18 Batch: WG388289-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.8 |
| Aroclor 1221 | ND | | ug/kg | 32.8 |
| Aroclor 1232 | ND | | ug/kg | 32.8 |
| Aroclor 1242 | ND | | ug/kg | 32.8 |
| Aroclor 1248 | ND | | ug/kg | 32.8 |
| Aroclor 1254 | ND | | ug/kg | 32.8 |
| Aroclor 1260 | ND | | ug/kg | 32.8 |
| Aroclor 1262 | ND | | ug/kg | 32.8 |
| Aroclor 1268 | ND | | ug/kg | 32.8 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | A |
| Decachlorobiphenyl | 87 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | B |
| Decachlorobiphenyl | 79 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-13,15-17,19-20 Batch: WG387599-2 WG387599-3 | | | | | | | | |
| Aroclor 1016 | 90 | | 106 | | 40-140 | 16 | | 50 |
| Aroclor 1260 | 72 | | 88 | | 40-140 | 20 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 81 | | 30-150 | A |
| Decachlorobiphenyl | 66 | | 87 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 73 | | 30-150 | B |
| Decachlorobiphenyl | 71 | | 88 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 21-22,24-36 Batch: WG387600-2 WG387600-3 | | | | | | | | |
| Aroclor 1016 | 78 | | 93 | | 40-140 | 18 | | 50 |
| Aroclor 1260 | 86 | | 95 | | 40-140 | 10 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 76 | | 30-150 | A |
| Decachlorobiphenyl | 80 | | 86 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 80 | | 30-150 | B |
| Decachlorobiphenyl | 93 | | 96 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 23 Batch: WG388261-2 WG388261-3 | | | | | | | | |
| Aroclor 1016 | 78 | | 75 | | 40-140 | 4 | | 50 |
| Aroclor 1260 | 77 | | 74 | | 40-140 | 4 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 81 | | 30-150 | A |
| Decachlorobiphenyl | 80 | | 79 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 91 | | 30-150 | B |
| Decachlorobiphenyl | 97 | | 96 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 14,18 Batch: WG388289-2 WG388289-3 | | | | | | | | |
| Aroclor 1016 | 87 | | 89 | | 40-140 | 2 | | 50 |
| Aroclor 1260 | 84 | | 79 | | 40-140 | 6 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 83 | | 30-150 | A |
| Decachlorobiphenyl | 80 | | 90 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 82 | | 30-150 | B |
| Decachlorobiphenyl | 77 | | 87 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-01
Client ID: SB-47 (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 10:15
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-02
Client ID: SB-47 (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 10:15
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-03
Client ID: SB-47 (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 10:15
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-04
Client ID: SB-50 (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 10:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-05
Client ID: SB-50 (4'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 10:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-06
Client ID: SB-50 (5'-6')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 10:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-07
Client ID: SB-53 (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil
Date Collected: 10/20/09 10:45
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-08
Client ID: SB-53 (4'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 10:45
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-09
Client ID: SB-53 (5'-6')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 10:15
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-10
Client ID: SB-55 (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil
Date Collected: 10/20/09 13:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-11
Client ID: SB-55 (4'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 13:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-12
Client ID: SB-55 (5'-6')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 13:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-13
Client ID: SB-56 (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 12:45
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-14
Client ID: SB-56 (4'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 12:45
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-15
Client ID: SB-56 (5'-6')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 12:45
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-16
Client ID: SB-58 (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 13:15
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-17
Client ID: SB-58 (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 13:15
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 76 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-18
Client ID: SB-58 (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 13:15
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-19
Client ID: SB-59 (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 13:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-20
Client ID: SB-59 (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 13:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 11/05/09 13:15 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-21
Client ID: SB-59 (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 13:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 11/05/09 13:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-22
Client ID: SB-60 (0'-1')
Sample Location: PROVIDENCE, RI
Matrix: Soil
Date Collected: 10/20/09 12:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 11/05/09 13:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-23
Client ID: SB-60 (1'-2')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 12:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 11/05/09 13:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## SAMPLE RESULTS

Lab ID: L0915740-24
Client ID: SB-60 (2'-3')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 12:30
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | 1 | - | 11/05/09 13:40 | 30,2540G | TL |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG387727-1 QC Sample: L0915740-01 Client ID: SB-47 (0'-1') | | | | | | |
| Solids, Total | 85 | 82 | % | 4 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 21-24 QC Batch ID: WG387728-1 QC Sample: L0915740-21 Client ID: SB-59 (2'-3') | | | | | | |
| Solids, Total | 85 | 84 | % | 1 | | 20 |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |
| B | Absent |

### Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0915740-01A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-02A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-03A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-04A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-05A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-06A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-07A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-08A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-09A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-10A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-11A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-12A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-13A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-14A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-15A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-16A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-17A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-18A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-19A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-20A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-21A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-22A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-23A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-24A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0915740-25A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L0915740-26A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L0915740-27A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L0915740-28A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L0915740-29A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |

*Hold days indicated by values in parentheses

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0915740
**Report Date:** 11/10/09

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0915740-30A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L0915740-31A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L0915740-32A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L0915740-33A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L0915740-34A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L0915740-35A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L0915740-36A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |

*Hold days indicated by values in parentheses

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0915740 |
| **Project Number:** | 222610.01 | **Report Date:** | 11/10/09 |

## GLOSSARY

***Acronyms***

| | |
|---|---|
| EPA | · Environmental Protection Agency. |
| LCS | · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | · Laboratory Control Sample Duplicate: Refer to LCS. |
| MS | · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | · Matrix Spike Sample Duplicate: Refer to MS. |
| NA | · Not Applicable. |
| NC | · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| ND | · Not detected at the reported detection limit for the sample. |
| NI | · Not Ignitable. |
| RDL | · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.) |
| **R** | - Analytical results are from sample re-analysis. |
| **RE** | - Analytical results are from sample re-extraction. |
| **J** | - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs). |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0915740 |
| **Project Number:** | 222610.01 | **Report Date:** | 11/10/09 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised October 22, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Utah Department of Health** Certificate/Lab ID: AAMA. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: Chloride EPA 300.0)

**Analytes Not Accredited by NELAP**

Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes. **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

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L0915740

# CHAIN OF CUSTODY

PAGE 2 OF 8

Date Rec'd in Lab: 10/20/09

ALPHA Job #: ~~L0915730~~

ALPHA
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: Woodard & Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 10/~~28~~ Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☑ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RI Criteria RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

RDEC

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: ~~PCB (HOLD)~~ | PCB (Analyze) | PCB (extract & hold) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|
| ~~5030~~ 11 | SB-44 (4'-5') | 10/20/09 | 915 | S | GR | X | | | Please hold | 1 |
| ~~12~~ | SB-44 (5'-6') | ↓ | ↓ | ↓ | ↓ | X | | | analysis until | 1 |
| ~~13~~ | SB-45 (3'-4') | ↓ | 835 | ↓ | ↓ | X | | | instructed by | 1 |
| ~~14~~ | SB-45 (4'-5') | ↓ | ↓ | ↓ | ↓ | X | | | W&C | 1 |
| ~~15~~ | SB-45 (5'-6') | ↓ | ↓ | ↓ | ↓ | X | | | ↓ | 1 |
| ~~16~~ | SB-46 (3'-4') | ↓ | 900 | ↓ | ↓ | X | | | ↓ | 1 |
| ~~17~~ | SB-46 (4'-5') | ↓ | ↓ | ↓ | ↓ | X | | | ↓ | 1 |
| ~~18~~ | SB-46 (5'-6') | ↓ | ↓ | ↓ | ↓ | X | | | ↓ | 1 |
| 5740.1 ~~19~~ | SB-47 (~~[illegible]~~ 0-1') | ↓ | 1015 | ↓ | ↓ | X | X | | ↓ | 1 |
| 2 ~~20~~ | SB-47 (1'-2') | ↓ | ↓ | ↓ | ↓ | X | X | | ↓ | 1 |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| | Container Type | Preservative |
|---|---|---|
| | A | A |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 10/20/09 1610 | [signature] | 10/20/09 1615 |
| [signature] | 10/20/09 1730 | [signature] | 10/20/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

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L0915740

# CHAIN OF CUSTODY

PAGE 3 OF 8

Date Rec'd in Lab: 10/20/09

ALPHA Job #: ~~L0915030~~

ALPHA
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: Woodard & Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 10/28 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☑ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program: RI Criteria: RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

RDEC

SAMPLE HANDLING
Filtration ____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs (hold) | PCB (analyze) | PCB (extract 3 hold) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 ~~5030.21~~ | SB-47 (2'-3') | 10/20/09 | 1015 | S | GR | X | X | | Please hold | 1 |
| 25 ~~22~~ | SB-47 (3'-4') | | | | | X | | X | analysis until | 1 |
| 26 ~~23~~ | SB-47 (4'-5') | | | | | X | | X | instructed by | 1 |
| 27 ~~24~~ | SB-47 (5'-6') | | | | | X | | X | W&C | 1 |
| — | SB-48 (0'-1') | | 1115 | | | X | | | | 1 |
| — | SB-48 (1'-2') | | | | | X | | | | 1 |
| — | SB-48 (2'-3') | | | | | X | | | | 1 |
| — | SB-48 (3'-4') | | | | | X | | | | 1 |
| ~~25~~ | SB-48 (4'-5') | | | | | X | | | | 1 |
| ~~26~~ | SB-48 (5'-6') | | | | | X | | | | 1 |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type: A
Preservative: A

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 10/20/09 1610 | [signature] | 10/20/09 1610 |
| [signature] | 10/20/09 1730 | [signature] | 10/20/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

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L0915740

# CHAIN OF CUSTODY

PAGE 4 OF 8

Date Rec'd in Lab: 10/20/09

ALPHA Job #: ~~L0915030~~

ALPHA
WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193
MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

**Client Information**

Client: Woodard & Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 10/28 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☑ Same as Client Info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RI Criteria RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

RDEC

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | Analysis: PCBs (Hold) | PCB (analyze) | PCB (extract 3 hold) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|
| | SB-49 (0'-1') | 10/20/09 | 1130 | S | GR | X | | | Please hold | 1 |
| | SB-49 (1'-2') | | | | | X | | | analysis until | 1 |
| | SB-49 (2'-3') | | | | | X | | | instructed by | 1 |
| | SB-49 (3'-4') | | | | | X | | | W&C | 1 |
| ~~5030~~ ~~27~~ | SB-49 (4'-5') | | | | | X | | | | 1 |
| ~~28~~ | SB-49 (5'-6') | | | | | X | | | | 1 |
| 4 ~~29~~ | SB-50 (3'-4') | | 1030 | | | X | X | | | 1 |
| 5 ~~30~~ | SB-50 (4'-5') | | | | | X | X | | | 1 |
| 6 ~~31~~ | SB-50 (5'-6') | | | | | X | X | | | 1 |
| ~~32~~ | SB-51 (3'-4') | | 1100 | | | X | | | | 1 |
| | | | | | Container Type | A | | | | |
| | | | | | Preservative | A | | | | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 10/20/09 1610 | [signature] | 10/20/09 1610 |
| [signature] | 10/20/09 1730 | [signature] | 10/20/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO. 01-01 (rev. 14-OCT-07)

L0915740

# CHAIN OF CUSTODY

PAGE 5 OF 8

Date Rec'd in Lab: 10/20/09

ALPHA Job #: ~~L0915030~~

ALPHA
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: Woodard & Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 10/28 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☑ Same as Client Info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RI Criteria RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

RDEC

SAMPLE HANDLING
Filtration ____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs (Hold) | PCB (analyze) PCB (extract/hold) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|
| ~~33~~ | SB-51 (4'-5') | 10/20/09 | 1100 | S | GR | X | | Please hold | 1 |
| ~~34~~ | SB-51 (5'-6') | ↓ | ↓ | ↓ | ↓ | X | | analysis until | 1 |
| ~~35~~ | SB-52 (3'-4') | | 1145 | | | X | | instructed by | 1 |
| ~~36~~ | SB-52 (4'-5') | | ↓ | | | X | | W&C | 1 |
| ~~37~~ | SB-52 (5'-6') | | ↓ | | | X | | ↓ | 1 |
| 7 ~~38~~ | SB-53 (3'-4') | | 1045 | | | X | X | | 1 |
| 8 ~~39~~ | SB-53 (4'-5') | | ↓ | | | X | X | | 1 |
| ~~8~~ 9 ~~40~~ | SB-53 (5'-6') | | ↓ | | | X | X | | 1 |
| ~~41~~ | SB-54 (3'-4') | | 1200 | | | X | | | 1 |
| ~~42~~ | SB-54 (4'-5') | ↓ | ↓ | ↓ | ↓ | X | | ↓ | 1 |
| | | | | | Container Type | A | | | |
| | | | | | Preservative | A | | | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 10/20/09 1610 | [signature] | 10/20/09 1610 |
| [signature] | 10/20/09 1730 | [signature] | 10/20/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

L0915740

# CHAIN OF CUSTODY

PAGE 6 OF 8

Date Rec'd in Lab: 10/20/09

ALPHA Job #: L0915030

ALPHA
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: Woodard & Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 10/28 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☑ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RI Criteria RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

RDEC

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs (hold) | PCB (analyze) | PCB (extract 3 hold) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|
| ~~[illegible]~~ ~~[illegible]~~ | SB-54 (5'-6') | 10/20/09 | 1200 | S | GR | X | | | Please hold | 1 |
| 10 ~~[illegible]~~ | SB-55 (3'-4') | | 1330 | | | X | X | | analysis until | 1 |
| 11 ~~[illegible]~~ | SB-55 (4'-5') | | | | | X | X | | instructed by | 1 |
| 12 ~~[illegible]~~ | SB-55 (5'-6') | | | | | X | X | | W&C | 1 |
| 13 ~~[illegible]~~ | SB-56 (3'-4') | | 1245 | | | X | X | | | 1 |
| 14 ~~[illegible]~~ | SB-56 (4'-5') | | | | | X | X | | | 1 |
| 15 ~~[illegible]~~ | SB-56 (5'-6') | | | | | X | X | | | 1 |
| ~~[illegible]~~ | SB-57 (3'-4') | | 1215 | | | X | | | | 1 |
| ~~[illegible]~~ | SB-57 (4'-5') | | | | | X | | | | 1 |
| ~~[illegible]~~ | SB-57 (5'-6') | | | | | X | | | | 1 |
| | | | | | Container Type | A | | | | |
| | | | | | Preservative | A | | | | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 10/20/09 1610 | [signature] | 10/20/09 1610 |
| [signature] | 10/20/09 1730 | [signature] | 10/20/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

L0915740

# CHAIN OF CUSTODY

PAGE 7 OF 8

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 10/20/09

ALPHA Job #: L0915030

**Client Information**

Client: Woodard + Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: India St
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 10/28 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client Info PO #:

**Regulatory Requirements/Report Limits**

State/Fed Program: RI Criteria: RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

RDEC

**SAMPLE HANDLING**
Filtration ______
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs (hold) | PCB (analyze) | PCB (extract, hold) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 | SB-58 (0'-1') | 10/20/09 | 1315 | S | GR | X | X | | Please hold | 1 |
| 17 | SB-58 (1'-2') | ↓ | ↓ | ↓ | ↓ | X | X | | analysis until | 1 |
| 18 | SB-58 (2'-3') | ↓ | ↓ | ↓ | ↓ | X | X | | instructed by | 1 |
| 28 | SB-58 (3'-4') | ↓ | ↓ | ↓ | ↓ | X | | X | W&C | 1 |
| 29 | SB-58 (4'-5') | ↓ | ↓ | ↓ | ↓ | X | | X | ↓ | 1 |
| 30 | SB-58 (5'-6') | ↓ | ↓ | ↓ | ↓ | X | | X | ↓ | 1 |
| 19 | SB-59 (0'-1') | ↓ | 1300 | ↓ | ↓ | X | X | | ↓ | 1 |
| 20 | SB-59 (1'-2') | ↓ | ↓ | ↓ | ↓ | X | X | | ↓ | 1 |
| 21 | SB-59 (2'-3') | ↓ | ↓ | ↓ | ↓ | X | X | | ↓ | 1 |
| 31 | SB-59 (3'-4') | ↓ | ↓ | ↓ | ↓ | X | | X | ↓ | 1 |

Container Type: A
Preservative: A

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [illegible] | 10/20/09 1600 | [illegible] | 10/20/09 [illegible] |
| [illegible] | 10/20/09 1730 | [illegible] | 10/21/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

11100916:33

L0915740

# CHAIN OF CUSTODY

PAGE 8 OF 8

Date Rec'd in Lab: 10/20/09

ALPHA Job #: ~~L0915030~~

ALPHA TEST
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: Woodard + Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 10/28/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client Info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program: RI Criteria: RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

RDEC

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs (hold) | PCB (analyze) | PCB (extract 3 hold) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|
| 32 ~~[illegible]~~ 63 | SB-59 (4'-5') | 10/20/09 | 1300 | S | GR | X | | X | Please hold | 1 |
| 33 64 | SB-59 (5'-6') | ↓ | ↓ | ↓ | ↓ | X | | X | analysis | 1 |
| 22 65 | SB-60 (0'-1') | ↓ | 1230 | ↓ | ↓ | X | X | | until instructed | 1 |
| 23 66 | SB-60 (1'-2') | ↓ | ↓ | ↓ | ↓ | X | X | | by W&C | 1 |
| 24 67 | SB-60 (2'-3') | ↓ | ↓ | ↓ | ↓ | X | X | | ↓ | 1 |
| 34 68 | SB-60 (3'-4') | ↓ | ↓ | ↓ | ↓ | X | | X | ↓ | 1 |
| 25 69 | SB-60 (4'-5') | ↓ | ↓ | ↓ | ↓ | X | | X | ↓ | 1 |
| 36 70 | SB-60 (5'-6') | ↓ | ↓ | ↓ | ↓ | X | | X | ↓ | 1 |
| | | | | | | | | | | |
| | | | | | | | | | | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| | | | |
|---|---|---|---|
| Container Type | A | | |
| Preservative | A | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 10/20/09 1610 | [signature] | 10/20/09 1610 |
| [signature] | 10/20/09 1730 | [signature] | 10/20/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L0916482 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Project Name: | 1 INDIA ST. |
| Project Number: | 222610.01 |
| Report Date: | 11/22/09 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0916482
**Report Date:** 11/22/09

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0916482-01 | SB-59 (3'-4') | PROVIDENCE, RI | 10/20/09 13:00 |
| L0916482-02 | SB-59 (4'-5') | PROVIDENCE, RI | 10/20/09 13:00 |
| L0916482-03 | SB-59 (5'-6') | PROVIDENCE, RI | 10/20/09 13:00 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0916482
**Project Number:** 222610.01 **Report Date:** 11/22/09

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L0916482-01 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The surrogate recoveries for L0916482-01 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (All at 0%) due to the dilutions required to quantitate the sample. Re-extraction is not required; therefore, the results of the original analysis are reported.

The WG387600-1 Method Blank, associated with L0916482-01, has a concentration above the reporting limit for Aroclor 1248. Since the associated sample concentration is greater than 5x the Method Blank concentration for this analyte, no qualification of the results was performed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons

Title: Technical Director/Representative Date: 11/22/09

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST. **Lab Number:** L0916482

**Project Number:** 222610.01 **Report Date:** 11/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0916482-01 | Date Collected: | 10/20/09 13:00 |
| Client ID: | SB-59 (3'-4') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:59 |
| Analytical Date: | 11/18/09 13:49 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 75% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 252000 | | ug/kg | 45000 | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0916482

**Project Number:** 222610.01 **Report Date:** 11/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0916482-01 | Date Collected: | 10/20/09 13:00 |
| Client ID: | SB-59 (3'-4') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/04/09 19:59 |
| Analytical Date: | 11/18/09 13:49 | Cleanup Method1: | EPA 3665A |
| Analyst: | JC | Cleanup Date1: | 11/05/09 |
| Percent Solids: | 75% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 45000 | 1000 |
| Aroclor 1221 | ND | | ug/kg | 45000 | 1000 |
| Aroclor 1232 | ND | | ug/kg | 45000 | 1000 |
| Aroclor 1242 | ND | | ug/kg | 45000 | 1000 |
| Aroclor 1254 | 86900 | | ug/kg | 45000 | 1000 |
| Aroclor 1260 | ND | | ug/kg | 45000 | 1000 |
| Aroclor 1262 | ND | | ug/kg | 45000 | 1000 |
| Aroclor 1268 | ND | | ug/kg | 45000 | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0916482

**Project Number:** 222610.01 **Report Date:** 11/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0916482-02 | Date Collected: | 10/20/09 13:00 |
| Client ID: | SB-59 (4'-5') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/20/09 01:41 |
| Analytical Date: | 11/20/09 16:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 11/20/09 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 11/20/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 364 | | ug/kg | 36.7 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | A |
| Decachlorobiphenyl | 67 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | B |
| Decachlorobiphenyl | 70 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0916482

**Project Number:** 222610.01 **Report Date:** 11/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0916482-02 | Date Collected: | 10/20/09 13:00 |
| Client ID: | SB-59 (4'-5') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/20/09 01:41 |
| Analytical Date: | 11/20/09 16:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 11/20/09 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 11/20/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.7 | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.7 | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.7 | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.7 | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.7 | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.7 | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.7 | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.7 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | A |
| Decachlorobiphenyl | 67 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | B |
| Decachlorobiphenyl | 70 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01
**Lab Number:** L0916482
**Report Date:** 11/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0916482-03 | Date Collected: | 10/20/09 13:00 |
| Client ID: | SB-59 (5'-6') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/18/09 10:30 |
| Analytical Date: | 11/19/09 10:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 11/18/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 540 | | ug/kg | 38.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | A |
| Decachlorobiphenyl | 74 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | B |
| Decachlorobiphenyl | 87 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0916482

**Project Number:** 222610.01 **Report Date:** 11/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0916482-03 | Date Collected: | 10/20/09 13:00 |
| Client ID: | SB-59 (5'-6') | Date Received: | 10/20/09 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 11/18/09 10:30 |
| Analytical Date: | 11/19/09 10:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 11/18/09 |
| Percent Solids: | 86% | Cleanup Method2: | - - - - |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.0 | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.0 | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.0 | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.0 | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.0 | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.0 | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.0 | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | A |
| Decachlorobiphenyl | 74 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | B |
| Decachlorobiphenyl | 87 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0916482
**Report Date:** 11/22/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 11/05/09 18:50
Analyst: JC

Extraction Method: EPA 3546
Extraction Date: 11/04/09 19:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 11/05/09
Cleanup Method2: - - - -
Cleanup Date2:

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01 Batch: WG387600-1 | | | | |
| Aroclor 1248 | 49.4 | | ug/kg | 32.9 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | A |
| Decachlorobiphenyl | 83 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | B |
| Decachlorobiphenyl | 90 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0916482

**Project Number:** 222610.01 **Report Date:** 11/22/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 11/05/09 18:50
Analyst: JC

Extraction Method: EPA 3546
Extraction Date: 11/04/09 19:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 11/05/09
Cleanup Method2: - - - -
Cleanup Date2:

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01 Batch: WG387600-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.9 |
| Aroclor 1221 | ND | | ug/kg | 32.9 |
| Aroclor 1232 | ND | | ug/kg | 32.9 |
| Aroclor 1242 | ND | | ug/kg | 32.9 |
| Aroclor 1254 | ND | | ug/kg | 32.9 |
| Aroclor 1260 | ND | | ug/kg | 32.9 |
| Aroclor 1262 | ND | | ug/kg | 32.9 |
| Aroclor 1268 | ND | | ug/kg | 32.9 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | A |
| Decachlorobiphenyl | 83 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | B |
| Decachlorobiphenyl | 90 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0916482

**Project Number:** 222610.01 **Report Date:** 11/22/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 11/19/09 10:13
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 11/18/09 10:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 11/18/09
Cleanup Method2: - - - -
Cleanup Date2:

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 03 Batch: WG389644-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.8 |
| Aroclor 1221 | ND | | ug/kg | 32.8 |
| Aroclor 1232 | ND | | ug/kg | 32.8 |
| Aroclor 1242 | ND | | ug/kg | 32.8 |
| Aroclor 1248 | ND | | ug/kg | 32.8 |
| Aroclor 1254 | ND | | ug/kg | 32.8 |
| Aroclor 1260 | ND | | ug/kg | 32.8 |
| Aroclor 1262 | ND | | ug/kg | 32.8 |
| Aroclor 1268 | ND | | ug/kg | 32.8 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | A |
| Decachlorobiphenyl | 84 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 98 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0916482

**Project Number:** 222610.01 **Report Date:** 11/22/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 11/20/09 12:36
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 11/20/09 01:41
Cleanup Method1: EPA 3665A
Cleanup Date1: 11/20/09
Cleanup Method2: EPA 3660B
Cleanup Date2: 11/20/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 02 Batch: WG390023-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.0 |
| Aroclor 1221 | ND | | ug/kg | 32.0 |
| Aroclor 1232 | ND | | ug/kg | 32.0 |
| Aroclor 1242 | ND | | ug/kg | 32.0 |
| Aroclor 1248 | ND | | ug/kg | 32.0 |
| Aroclor 1254 | ND | | ug/kg | 32.0 |
| Aroclor 1260 | ND | | ug/kg | 32.0 |
| Aroclor 1262 | ND | | ug/kg | 32.0 |
| Aroclor 1268 | ND | | ug/kg | 32.0 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 | A |
| Decachlorobiphenyl | 93 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 | B |
| Decachlorobiphenyl | 107 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0916482
**Report Date:** 11/22/09

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01 Batch: WG387600-2 WG387600-3 | | | | | | | | |
| Aroclor 1016 | 78 | | 93 | | 40-140 | 18 | | 50 |
| Aroclor 1260 | 86 | | 95 | | 40-140 | 10 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 76 | | 30-150 | A |
| Decachlorobiphenyl | 80 | | 86 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 80 | | 30-150 | B |
| Decachlorobiphenyl | 93 | | 96 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 03 Batch: WG389644-2 WG389644-3 | | | | | | | | |
| Aroclor 1016 | 62 | | 60 | | 40-140 | 3 | | 50 |
| Aroclor 1260 | 57 | | 62 | | 40-140 | 8 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 72 | | 30-150 | A |
| Decachlorobiphenyl | 58 | | 63 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 79 | | 30-150 | B |
| Decachlorobiphenyl | 60 | | 69 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.

**Project Number:** 222610.01

**Lab Number:** L0916482

**Report Date:** 11/22/09

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 02 Batch: WG390023-2 WG390023-3 | | | | | | | | |
| Aroclor 1016 | 69 | | 55 | | 40-140 | 23 | | 50 |
| Aroclor 1260 | 77 | | 67 | | 40-140 | 14 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 57 | | 30-150 | A |
| Decachlorobiphenyl | 108 | | 92 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 63 | | 30-150 | B |
| Decachlorobiphenyl | 122 | | 104 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0916482
**Report Date:** 11/22/09

## SAMPLE RESULTS

Lab ID: L0916482-01
Client ID: SB-59 (3'-4')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 13:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 75 | | % | 0.10 | 1 | - | 11/18/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0916482
**Report Date:** 11/22/09

## SAMPLE RESULTS

Lab ID: L0916482-02
Client ID: SB-59 (4'-5')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 13:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 11/18/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0916482
**Report Date:** 11/22/09

## SAMPLE RESULTS

Lab ID: L0916482-03
Client ID: SB-59 (5'-6')
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 10/20/09 13:00
Date Received: 10/20/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 11/18/09 15:20 | 30,2540G | TL |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0916482
**Report Date:** 11/22/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG389747-1 QC Sample: L0916482-01 Client ID: SB-59 (3'-4') | | | | | | |
| Solids, Total | 75 | 77 | % | 3 | | 20 |

**Project Name:** 1 INDIA ST.
**Project Number:** 222610.01

**Lab Number:** L0916482
**Report Date:** 11/22/09

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |

### Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0916482-01A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0916482-02A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7) |
| L0916482-03A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7) |

### Container Comments

L0916482-02A

*Hold days indicated by values in parentheses

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0916482 |
| **Project Number:** | 222610.01 | **Report Date:** | 11/22/09 |

## GLOSSARY

***Acronyms***

| | |
|---|---|
| EPA | · Environmental Protection Agency. |
| LCS | · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | · Laboratory Control Sample Duplicate: Refer to LCS. |
| MS | · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | · Matrix Spike Sample Duplicate: Refer to MS. |
| NA | · Not Applicable. |
| NC | · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| ND | · Not detected at the reported detection limit for the sample. |
| NI | · Not Ignitable. |
| RDL | · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.) |
| **R** | - Analytical results are from sample re-analysis. |
| **RE** | - Analytical results are from sample re-extraction. |
| **J** | - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs). |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0916482 |
| **Project Number:** | 222610.01 | **Report Date:** | 11/22/09 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised November 16, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Utah Department of Health** Certificate/Lab ID: AAMA. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: Chloride EPA 300.0)

**Analytes Not Accredited by NELAP**

Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

L0916482 ~~L0915740~~ 11/12/09 am

# CHAIN OF CUSTODY PAGE 7 OF 8

Data Rec'd in Lab: 10/20/09 | ALPHA Job #: ~~L0915740~~

ALPHA
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**
Client: Woodard + Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**
Project Name: Todd St
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**
☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: ~~10/26~~ 11/9/09 Time:

**Report Information - Data Deliverables**
☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**
☐ Same as Client Info PO #:

**Regulatory Requirements/Report Limits**
State /Fed Program RI Criteria RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-**
☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
RDEC

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | 8260 (hold) | PCB Analysis (PCB Aroclors 3 bottles) | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|
| ~~10~~ 1 | SB-58 (0'-1') | 10/20/09 | 1315 | S | GR | X | X | Please hold |
| 2 | SB-58 (1'-2') | | | | | X | X | analysis until |
| 3 | SB-58 (2'-3') | | | | | X | X | instructed by |
| 4 | SB-58 (3'-4') | | | | | X | X | W&C |
| 5 | SB-58 (4'-5') | | | | | X | X | |
| 6 | SB-58 (5'-6') | | | | | X | X | |
| 7 | SB-59 (0'-1') | | 1300 | | | X | X | |
| 8 | SB-59 (1'-2') | | | | | X | X | |
| 9 | SB-59 (2'-3') | | | | | X | X | |
| 10 | SB-59 (3'-4') | | | | | X | X | |

SAMPLE HANDLING
Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do
(Please specify below)

TOTAL # OF CELLS: 1 1 1 1 1 1 1 1 1 1

Container Type: A A
Preservative:

PLEASE ANSWER QUESTIONS ABOVE!
IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 10/20/09 1600 | [signature] | 10/20/09 1600 |
| [signature] | 10/20/09 1730 | [signature] | 10/20/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO. 01-01 (rev. 14-OCT-09)

1122091552

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L0916482 ~~L0915740~~ 11/13/09 [illegible]

# CHAIN OF CUSTODY

PAGE 8 OF 8

Data Rec'd in Lab: 10/20/09

ALPHA Job #: ~~L0915030~~

ALPHA
WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193
MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

**Client Information**

Client: Woodard + Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 11/19/09 ~~10/28/09~~ Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client Info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program: RI Criteria: RDEC

**MA MCP PRESUMPTIVE CERTAINTY — CT REASONABLE CONFIDENCE PROTO-**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

RDEC

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| Alpha Lab ID | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs (hold) | PCB (analyze) | PCB (extract 3 hold) | Sample Specific Comments | Total # Bottles |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 [illegible] | SB-59 (4'-5') | 10/20/09 | 1300 | S | GR | X | | X | Please hold | 1 |
| 3 [illegible] | SB-59 (5'-6') | ↓ | ↓ | ↓ | ↓ | X | | X | analysis | 1 |
| [illegible] | SB-60 (0'-1') | ↓ | 1230 | ↓ | ↓ | X | X | | until instructed | 1 |
| [illegible] | SB-60 (1'-2') | ↓ | ↓ | ↓ | ↓ | X | X | | by W&C | 1 |
| 24 [illegible] | SB-60 (2'-3') | ↓ | ↓ | ↓ | ↓ | X | X | | ↓ | 1 |
| 34 [illegible] | SB-60 (3'-4') | ↓ | ↓ | ↓ | ↓ | X | | X | ↓ | 1 |
| 25 [illegible] | SB-60 (4'-5') | ↓ | ↓ | ↓ | ↓ | X | | X | ↓ | 1 |
| 36 [illegible] | SB-60 (5'-6') | ↓ | ↓ | ↓ | ↓ | X | | X | ↓ | 1 |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type: A
Preservative: A

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 10/20/09 1610 | [signature] | 10/20/09 1610 |
| [signature] | 10/20/09 1730 | [signature] | 10/20/09 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO.01-01 (rev. 14-OCT-07)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L0918108 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Project Name: | 1 INDIA ST. |
| Project Number: | 0222610.01 |
| Report Date: | 12/22/09 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0918108-01 | SB-61(0'-1') | PROVIDENCE | 12/11/09 08:30 |
| L0918108-02 | SB-61(1'-2') | PROVIDENCE | 12/11/09 08:30 |
| L0918108-03 | SB-61(2'-3') | PROVIDENCE | 12/11/09 08:30 |
| L0918108-04 | SB-61(3'-4') | PROVIDENCE | 12/11/09 08:30 |
| L0918108-05 | SB-61(4'-5') | PROVIDENCE | 12/11/09 08:30 |
| L0918108-06 | SB-61(5'-6') | PROVIDENCE | 12/11/09 08:30 |
| L0918108-07 | SB-61(6'-7') | PROVIDENCE | 12/11/09 08:30 |
| L0918108-08 | SB-61(7'-8') | PROVIDENCE | 12/11/09 08:30 |
| L0918108-09 | SB-62(0'-1') | PROVIDENCE | 12/11/09 09:00 |
| L0918108-10 | SB-62(1'-2') | PROVIDENCE | 12/11/09 09:00 |
| L0918108-11 | SB-62(2'-3') | PROVIDENCE | 12/11/09 09:00 |
| L0918108-12 | SB-62(3'-4') | PROVIDENCE | 12/11/09 09:00 |
| L0918108-13 | SB-62(4'-5') | PROVIDENCE | 12/11/09 09:00 |
| L0918108-14 | SB-62(5'-6') | PROVIDENCE | 12/11/09 09:00 |
| L0918108-15 | SB-62(6'-7') | PROVIDENCE | 12/11/09 09:00 |
| L0918108-16 | SB-62(7'-8') | PROVIDENCE | 12/11/09 09:00 |
| L0918108-17 | SB-63(0'-1') | PROVIDENCE | 12/11/09 09:30 |
| L0918108-18 | SB-63(1'-2') | PROVIDENCE | 12/11/09 09:30 |
| L0918108-19 | SB-63(2'-3') | PROVIDENCE | 12/11/09 09:30 |
| L0918108-20 | SB-63(3'-4') | PROVIDENCE | 12/11/09 09:30 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0918108 |
| **Project Number:** | 0222610.01 | **Report Date:** | 12/22/09 |

**Case Narrative**

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

Sample Receipt

A sample identified as "SB-62 (6'-7')" was listed on the Chain of Custody, but not received. This was verified by the client.

PCB

L0918108-09, -14, and -16 have elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

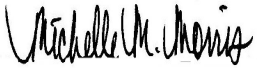
The surrogate recoveries for L0918108-14 were outside the acceptance criteria for Decachlorobiphenyl (306%/368%); however, the sample was not re-extracted due to coelution with obvious interferences. A copy of

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0918108 |
| **Project Number:** | 0222610.01 | **Report Date:** | 12/22/09 |

**Case Narrative (continued)**

the chromatogram is included as an attachment to this report. The results are not considered to be biased. The surrogate recoveries for the WG393626-1 Method Blank associated with L0918108-01 through -06, -09 through -14, and -16 through -20 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (16%/19%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: 

Title: Technical Director/Representative Date: 12/22/09

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-01 | Date Collected: | 12/11/09 08:30 |
| Client ID: | SB-61(0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/09 17:16 |
| Analytical Date: | 12/19/09 05:59 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.9 | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.9 | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.9 | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.9 | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.9 | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.9 | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.9 | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.9 | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.9 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 | A |
| Decachlorobiphenyl | 65 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | B |
| Decachlorobiphenyl | 79 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-02 | Date Collected: | 12/11/09 08:30 |
| Client ID: | SB-61(1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/09 17:16 |
| Analytical Date: | 12/19/09 06:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | A |
| Decachlorobiphenyl | 70 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | B |
| Decachlorobiphenyl | 74 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-03 | Date Collected: | 12/11/09 08:30 |
| Client ID: | SB-61(2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/09 17:16 |
| Analytical Date: | 12/19/09 06:23 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.0 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | A |
| Decachlorobiphenyl | 78 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 74 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-04 | Date Collected: | 12/11/09 08:30 |
| Client ID: | SB-61(3'-4') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/09 17:16 |
| Analytical Date: | 12/19/09 06:36 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | A |
| Decachlorobiphenyl | 63 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | B |
| Decachlorobiphenyl | 77 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-05 | Date Collected: | 12/11/09 08:30 |
| Client ID: | SB-61(4'-5') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/09 17:16 |
| Analytical Date: | 12/19/09 06:48 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.8 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.8 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.8 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.8 | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.8 | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.8 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.8 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.8 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.8 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 | A |
| Decachlorobiphenyl | 63 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | B |
| Decachlorobiphenyl | 72 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-06 | Date Collected: | 12/11/09 08:30 |
| Client ID: | SB-61(5'-6') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/09 17:16 |
| Analytical Date: | 12/19/09 07:01 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.7 | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.7 | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.7 | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.7 | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.7 | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.7 | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.7 | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.7 | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.7 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | A |
| Decachlorobiphenyl | 57 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | B |
| Decachlorobiphenyl | 64 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-07 | Date Collected: | 12/11/09 08:30 |
| Client ID: | SB-61(6'-7') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/21/09 14:01 |
| Analytical Date: | 12/22/09 07:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/21/09 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/21/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.8 | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.8 | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.8 | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.8 | 1 |
| Aroclor 1248 | 49.6 | | ug/kg | 34.8 | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.8 | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.8 | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.8 | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.8 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 | A |
| Decachlorobiphenyl | 119 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | B |
| Decachlorobiphenyl | 71 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-08 | Date Collected: | 12/11/09 08:30 |
| Client ID: | SB-61(7'-8') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/21/09 14:01 |
| Analytical Date: | 12/22/09 08:09 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/21/09 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/21/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.0 | 1 |
| Aroclor 1221 | ND | | ug/kg | 32.0 | 1 |
| Aroclor 1232 | ND | | ug/kg | 32.0 | 1 |
| Aroclor 1242 | ND | | ug/kg | 32.0 | 1 |
| Aroclor 1248 | 135 | | ug/kg | 32.0 | 1 |
| Aroclor 1254 | ND | | ug/kg | 32.0 | 1 |
| Aroclor 1260 | ND | | ug/kg | 32.0 | 1 |
| Aroclor 1262 | ND | | ug/kg | 32.0 | 1 |
| Aroclor 1268 | ND | | ug/kg | 32.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 102 | | 30-150 | A |
| Decachlorobiphenyl | 114 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 | B |
| Decachlorobiphenyl | 97 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-09 | Date Collected: | 12/11/09 09:00 |
| Client ID: | SB-62(0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/09 17:16 |
| Analytical Date: | 12/19/09 07:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 73.9 | 2 |
| Aroclor 1221 | ND | | ug/kg | 73.9 | 2 |
| Aroclor 1232 | ND | | ug/kg | 73.9 | 2 |
| Aroclor 1242 | ND | | ug/kg | 73.9 | 2 |
| Aroclor 1248 | ND | | ug/kg | 73.9 | 2 |
| Aroclor 1254 | ND | | ug/kg | 73.9 | 2 |
| Aroclor 1260 | ND | | ug/kg | 73.9 | 2 |
| Aroclor 1262 | ND | | ug/kg | 73.9 | 2 |
| Aroclor 1268 | ND | | ug/kg | 73.9 | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | A |
| Decachlorobiphenyl | 82 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 97 | | 30-150 | B |
| Decachlorobiphenyl | 90 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-10 | Date Collected: | 12/11/09 09:00 |
| Client ID: | SB-62(1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/09 17:16 |
| Analytical Date: | 12/19/09 08:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.2 | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.2 | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.2 | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.2 | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.2 | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.2 | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.2 | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.2 | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 | A |
| Decachlorobiphenyl | 48 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 | B |
| Decachlorobiphenyl | 53 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-11 | Date Collected: | 12/11/09 09:00 |
| Client ID: | SB-62(2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/09 17:16 |
| Analytical Date: | 12/19/09 08:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | A |
| Decachlorobiphenyl | 72 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 82 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-12 | Date Collected: | 12/11/09 09:00 |
| Client ID: | SB-62(3'-4') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/09 17:16 |
| Analytical Date: | 12/19/09 08:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.8 | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.8 | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.8 | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.8 | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.8 | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.8 | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.8 | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.8 | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.8 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | A |
| Decachlorobiphenyl | 74 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | B |
| Decachlorobiphenyl | 87 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-13 | Date Collected: | 12/11/09 09:00 |
| Client ID: | SB-62(4'-5') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/09 17:18 |
| Analytical Date: | 12/19/09 08:40 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.4 | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.4 | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.4 | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.4 | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.4 | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.4 | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.4 | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.4 | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.4 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | A |
| Decachlorobiphenyl | 60 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | B |
| Decachlorobiphenyl | 73 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-14 | Date Collected: | 12/11/09 09:00 |
| Client ID: | SB-62(5'-6') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/09 17:18 |
| Analytical Date: | 12/19/09 08:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 180 | 5 |
| Aroclor 1221 | ND | | ug/kg | 180 | 5 |
| Aroclor 1232 | ND | | ug/kg | 180 | 5 |
| Aroclor 1242 | ND | | ug/kg | 180 | 5 |
| Aroclor 1248 | ND | | ug/kg | 180 | 5 |
| Aroclor 1254 | ND | | ug/kg | 180 | 5 |
| Aroclor 1260 | ND | | ug/kg | 180 | 5 |
| Aroclor 1262 | ND | | ug/kg | 180 | 5 |
| Aroclor 1268 | ND | | ug/kg | 180 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 132 | | 30-150 | A |
| Decachlorobiphenyl | **306** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 130 | | 30-150 | B |
| Decachlorobiphenyl | **368** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-16 | Date Collected: | 12/11/09 09:00 |
| Client ID: | SB-62(7'-8') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/09 17:18 |
| Analytical Date: | 12/19/09 09:04 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 80% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 207 | 5 |
| Aroclor 1221 | ND | | ug/kg | 207 | 5 |
| Aroclor 1232 | ND | | ug/kg | 207 | 5 |
| Aroclor 1242 | ND | | ug/kg | 207 | 5 |
| Aroclor 1248 | ND | | ug/kg | 207 | 5 |
| Aroclor 1254 | ND | | ug/kg | 207 | 5 |
| Aroclor 1260 | ND | | ug/kg | 207 | 5 |
| Aroclor 1262 | ND | | ug/kg | 207 | 5 |
| Aroclor 1268 | ND | | ug/kg | 207 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | A |
| Decachlorobiphenyl | 68 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 | B |
| Decachlorobiphenyl | 87 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-17 | Date Collected: | 12/11/09 09:30 |
| Client ID: | SB-63(0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/09 17:18 |
| Analytical Date: | 12/19/09 09:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.6 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.6 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.6 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.6 | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.6 | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.6 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.6 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.6 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.6 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | A |
| Decachlorobiphenyl | 64 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-18 | Date Collected: | 12/11/09 09:30 |
| Client ID: | SB-63(1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/09 17:18 |
| Analytical Date: | 12/19/09 09:53 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | A |
| Decachlorobiphenyl | 65 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 74 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-19 | Date Collected: | 12/11/09 09:30 |
| Client ID: | SB-63(2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/09 17:19 |
| Analytical Date: | 12/21/09 08:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | A |
| Decachlorobiphenyl | 58 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | B |
| Decachlorobiphenyl | 65 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918108-20 | Date Collected: | 12/11/09 09:30 |
| Client ID: | SB-63(3'-4') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/09 17:19 |
| Analytical Date: | 12/21/09 08:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.8 | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.8 | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.8 | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.8 | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.8 | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.8 | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.8 | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.8 | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.8 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | A |
| Decachlorobiphenyl | 63 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 79 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/19/09 05:22
Analyst: SH

Extraction Method: EPA 3540C
Extraction Date: 12/16/09 17:16
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/19/09
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/19/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-06,09-14,16-20 Batch: WG393626-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 |
| Aroclor 1221 | ND | | ug/kg | 33.3 |
| Aroclor 1232 | ND | | ug/kg | 33.3 |
| Aroclor 1242 | ND | | ug/kg | 33.3 |
| Aroclor 1248 | ND | | ug/kg | 33.3 |
| Aroclor 1254 | ND | | ug/kg | 33.3 |
| Aroclor 1260 | ND | | ug/kg | 33.3 |
| Aroclor 1262 | ND | | ug/kg | 33.3 |
| Aroclor 1268 | ND | | ug/kg | 33.3 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **16** | Q | 30-150 | A |
| Decachlorobiphenyl | 61 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **19** | Q | 30-150 | B |
| Decachlorobiphenyl | 62 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918108

**Project Number:** 0222610.01 **Report Date:** 12/22/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/22/09 07:20
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 12/21/09 14:01
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/21/09
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/21/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 07-08 Batch: WG394212-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.2 |
| Aroclor 1221 | ND | | ug/kg | 33.2 |
| Aroclor 1232 | ND | | ug/kg | 33.2 |
| Aroclor 1242 | ND | | ug/kg | 33.2 |
| Aroclor 1248 | ND | | ug/kg | 33.2 |
| Aroclor 1254 | ND | | ug/kg | 33.2 |
| Aroclor 1260 | ND | | ug/kg | 33.2 |
| Aroclor 1262 | ND | | ug/kg | 33.2 |
| Aroclor 1268 | ND | | ug/kg | 33.2 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | A |
| Decachlorobiphenyl | 76 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | B |
| Decachlorobiphenyl | 67 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L0918108
**Report Date:** 12/22/09

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-06,09-14,16-20 Batch: WG393626-2 WG393626-3 | | | | | | | | |
| Aroclor 1016 | 84 | | 90 | | 40-140 | 7 | | 50 |
| Aroclor 1260 | 83 | | 76 | | 40-140 | 9 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 74 | | 30-150 | A |
| Decachlorobiphenyl | 83 | | 72 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 82 | | 30-150 | B |
| Decachlorobiphenyl | 82 | | 79 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 07-08 Batch: WG394212-2 WG394212-3 | | | | | | | | |
| Aroclor 1016 | 74 | | 77 | | 40-140 | 4 | | 50 |
| Aroclor 1260 | 77 | | 83 | | 40-140 | 8 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 83 | | 30-150 | A |
| Decachlorobiphenyl | 85 | | 86 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 74 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 69 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-01
Client ID: SB-61(0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 08:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-02
Client ID: SB-61(1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 08:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-03
Client ID: SB-61(2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 08:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-04
Client ID: SB-61(3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 08:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-05
Client ID: SB-61(4'-5')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 08:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-06
Client ID: SB-61(5'-6')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 08:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-07
Client ID: SB-61(6'-7')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 08:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-08
Client ID: SB-61(7'-8')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 08:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-09
Client ID: SB-62(0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 09:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-10
Client ID: SB-62(1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 09:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-11
Client ID: SB-62(2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 09:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-12
Client ID: SB-62(3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 09:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-13
Client ID: SB-62(4'-5')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 09:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-14
Client ID: SB-62(5'-6')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 09:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-16
Client ID: SB-62(7'-8')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 09:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 80 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-17
Client ID: SB-63(0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 09:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-18
Client ID: SB-63(1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 09:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-19
Client ID: SB-63(2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 09:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## SAMPLE RESULTS

Lab ID: L0918108-20
Client ID: SB-63(3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 09:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 12/15/09 14:40 | 30,2540G | TL |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-14,16-20 QC Batch ID: WG393369-1 QC Sample: L0918108-01 Client ID: SB-61(0'-1') | | | | | | |
| Solids, Total | 90 | 90 | % | 0 | | 20 |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918108
**Report Date:** 12/22/09

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |
| B | Absent |
| C | Absent |

### Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0918108-01A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918108-02A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918108-03A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918108-04A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918108-05A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918108-06A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918108-07A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918108-08A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918108-09A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918108-10A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918108-11A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918108-12A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918108-13A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918108-14A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918108-16A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918108-17A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918108-18A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918108-19A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918108-20A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |

*Hold days indicated by values in parentheses

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0918108 |
| **Project Number:** | 0222610.01 | **Report Date:** | 12/22/09 |

## GLOSSARY

***Acronyms***

| | |
|---|---|
| EPA | · Environmental Protection Agency. |
| LCS | · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | · Laboratory Control Sample Duplicate: Refer to LCS. |
| MS | · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | · Matrix Spike Sample Duplicate: Refer to MS. |
| NA | · Not Applicable. |
| NC | · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| ND | · Not detected at the reported detection limit for the sample. |
| NI | · Not Ignitable. |
| RDL | · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.) |
| **R** | - Analytical results are from sample re-analysis. |
| **RE** | - Analytical results are from sample re-extraction. |
| **J** | - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs). |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0918108 |
| **Project Number:** | 0222610.01 | **Report Date:** | 12/22/09 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised December 1, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Utah Department of Health** Certificate/Lab ID: AAMA. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: Chloride EPA 300.0)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

**Analytes Not Accredited by NELAP**
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

# CHAIN OF COUSTODY

PAGE 1 OF 7

Date Rec'd in Lab: 12/14/09

ALPHA Job #: L0918108

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: Woodard & Curran
Address: 95 Cedar St.
Suite 100
Phone: 401 273 1007
Fax: 401 273
Email: grose@woodardcurran.com
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St.
Project Location: Providence
Project #: 0222610.01
Project Manager: Garrett Rose
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 12/21/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☑ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| RI | Residential |

**MA MCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING
Filtration ________
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 18108.1 | SB-61 (0'-1') | 12/11/09 | 830 | S | GR | X | | 1 |
| 2 | SB-61 (1'-2') | ↓ | ↓ | ↓ | ↓ | X | | 1 |
| 3 | SB-61 (2'-3') | ↓ | ↓ | ↓ | ↓ | X | | 1 |
| 4 | SB-61 (3'-4') | ↓ | ↓ | ↓ | ↓ | X | | 1 |
| 5 | SB-61 (4'-5') | ↓ | ↓ | ↓ | ↓ | X | | 1 |
| 6 | SB-61 (5'-6') | ↓ | ↓ | ↓ | ↓ | X | | 1 |
| 7 | SB-61 (6'-7') | ↓ | ↓ | ↓ | ↓ | X | | 1 |
| 8 | SB-61 (7'-8') | ↓ | ↓ | ↓ | ↓ | X | | 1 |
| 9 | SB-62 (0'-1') | ↓ | 900 | ↓ | ↓ | X | | 1 |
| 10 | SB-62 (1'-2') | ↓ | ↓ | ↓ | ↓ | X | | 1 |

Container Type: 6
Preservative: A

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 12/14/09 12:30 | [signature] | 12/14/09 1230 |
| [signature] | 12/14/09 1330 | [signature] | 12/14/09 1330 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 2 OF 7

Date Rec'd in Lab: 12/14/09

ALPHA Job #: L0918108

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

12220911:19

**Client Information**

Client: Woodard & Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 12/21/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program: RI

Criteria: Residential

**MA MCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS PCBs | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 18108 11 | SB-62(2'-3') | 12/11/09 | 900 | S | GR | X | | 1 |
| 12 | SB-62(3'-4') | | | | | X | | 1 |
| 13 | SB-62(4'-5') | | | | | X | | 1 |
| 14 | SB-62(5'-6') | | | | | X | | 1 |
| 15 | SB-62(6'-7') | | | | | X | | 1 |
| 16 | SB-62(7'-8') | | | | | X | | 1 |
| 17 | SB-63(0'-1') | | 930 | | | X | | 1 |
| 18 | SB-63(1'-2') | | | | | X | | 1 |
| 19 | SB-63(2'-3') | | | | | X | | 1 |
| 20 | SB-63(3'-4') | | | | | X | | 1 |

PLEASE ANSWER QUESTIONS ABOVE!

| | |
|---|---|
| Container Type | G |
| Preservative | A |

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Janelle Bonn | 12/14/09 12:30 | [signature] | 12/14/09 123 |
| [signature] | 12/30/09 1330 | [signature] | 12/14/09 1330 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

Data File: \\Orgserv1\ee\chem\GCEXT\Pest9.i\091219a.b\12190019.D



Date : 19-DEC-2009 08:52

Client ID:

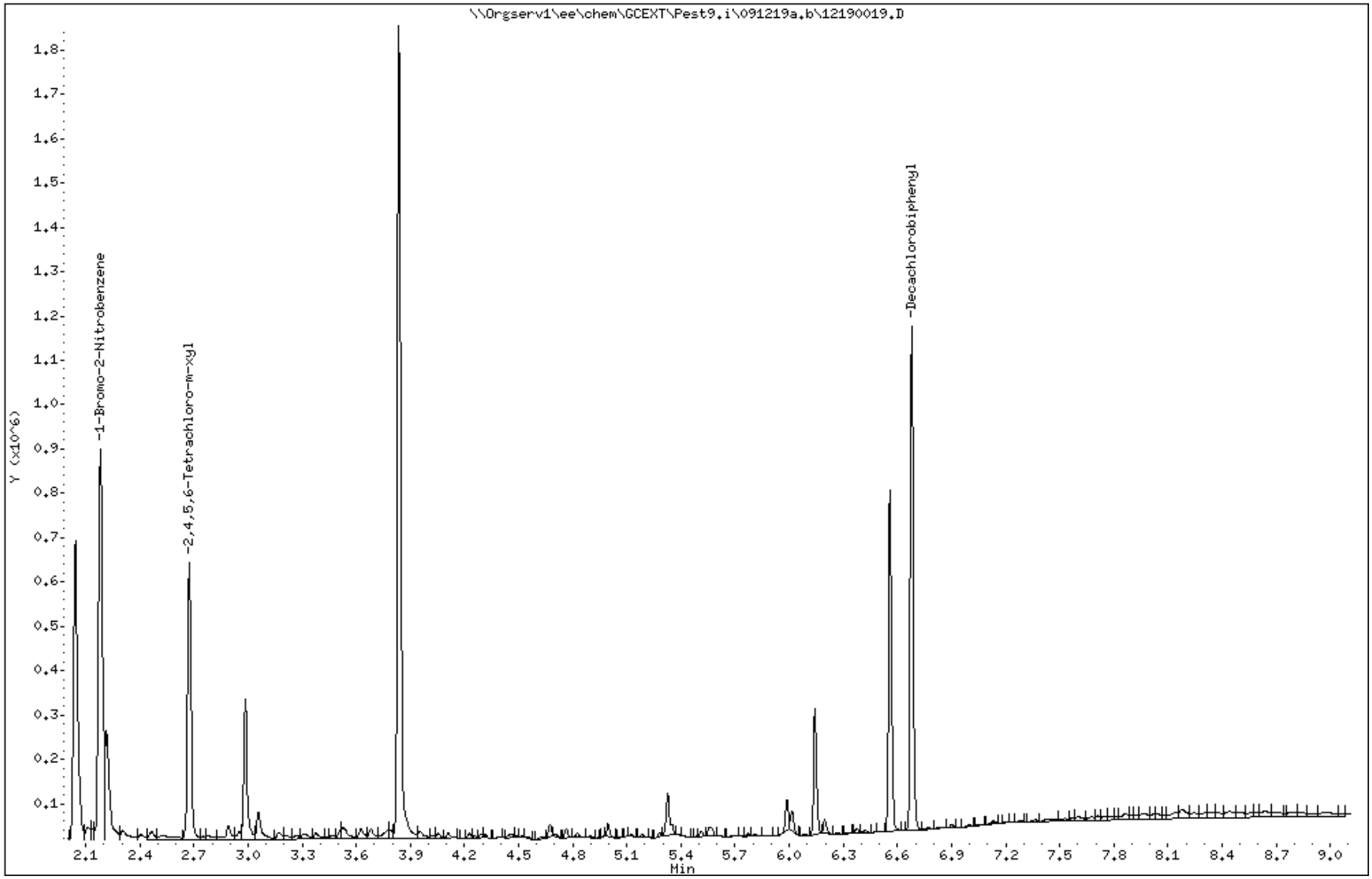
Instrument: Pest9.i

Sample Info: 10918108-14,4, fv5

Operator: sh

Column phase: Rtx-1701

Column diameter: 0.32



Data File: \\Orgserv1\ee\chem\GCEXT\Pest9.i\091219b.b\12190019.D



Date : 19-DEC-2009 08:52

Client ID:

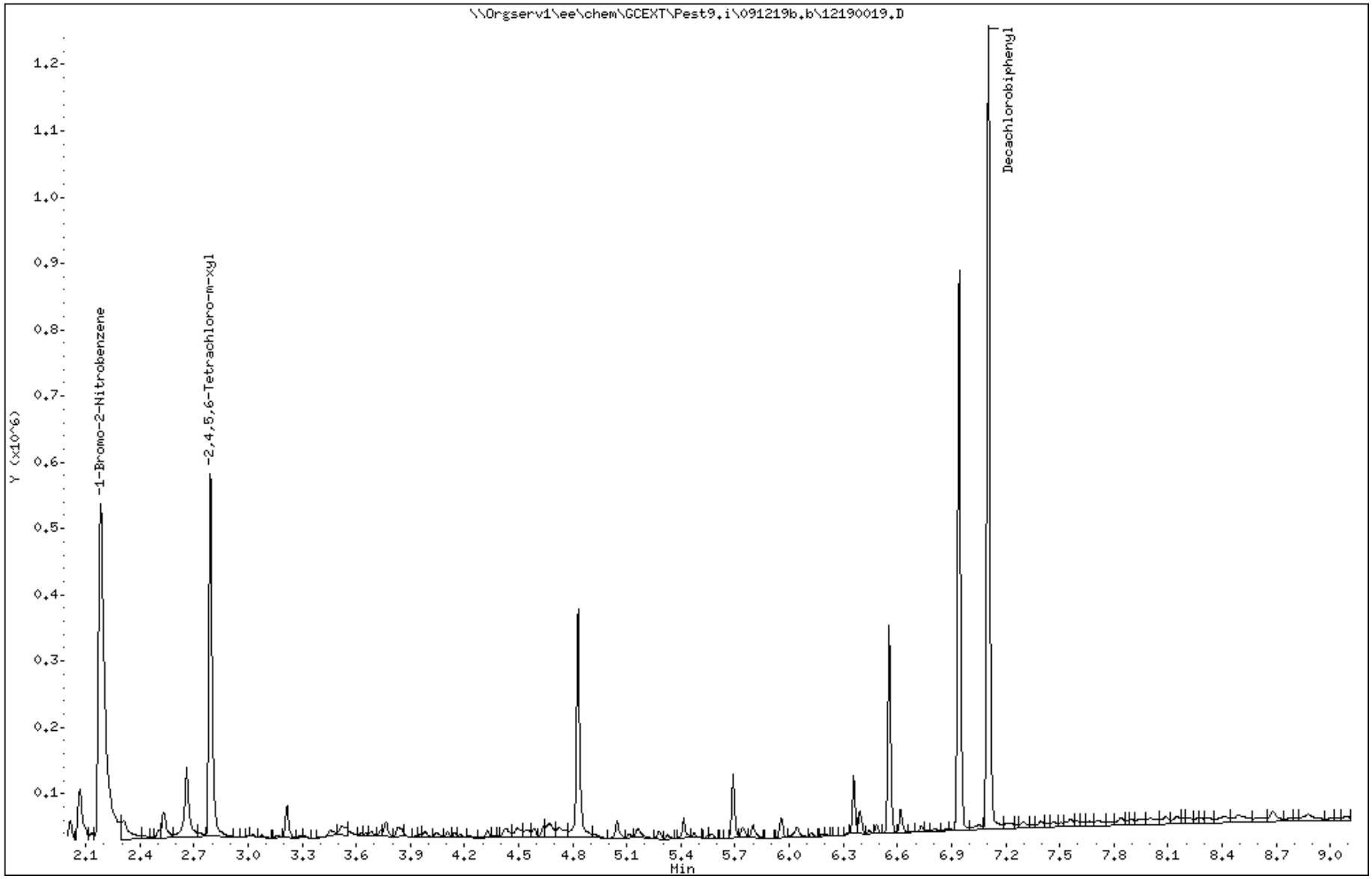
Instrument: Pest9.i

Sample Info: 10918108-14,4, fv5

Operator: sh

Column phase: Rtx-5

Column diameter: 0.32



# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L0918110 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Project Name: | 1 INDIA ST. |
| Project Number: | 0222610.01 |
| Report Date: | 12/21/09 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0918110-01 | SB-63(4'-5') | PROVIDENCE | 12/11/09 09:30 |
| L0918110-02 | SB-63(5'-6') | PROVIDENCE | 12/11/09 09:30 |
| L0918110-03 | SB-63(6'-7') | PROVIDENCE | 12/11/09 09:30 |
| L0918110-04 | SB-63(7'-8') | PROVIDENCE | 12/11/09 09:30 |
| L0918110-05 | SB-64(0'-1') | PROVIDENCE | 12/11/09 13:45 |
| L0918110-06 | SB-64(1'-2') | PROVIDENCE | 12/11/09 13:45 |
| L0918110-07 | SB-64(2'-3') | PROVIDENCE | 12/11/09 13:45 |
| L0918110-08 | SB-65(0'-1') | PROVIDENCE | 12/11/09 13:30 |
| L0918110-09 | SB-65(1'-2') | PROVIDENCE | 12/11/09 13:30 |
| L0918110-10 | SB-65(2'-3') | PROVIDENCE | 12/11/09 13:30 |
| L0918110-11 | SB-65(3'-4') | PROVIDENCE | 12/11/09 13:30 |
| L0918110-12 | SB-66(0'-1') | PROVIDENCE | 12/11/09 13:15 |
| L0918110-13 | SB-66(1'-2') | PROVIDENCE | 12/11/09 13:15 |
| L0918110-14 | SB-66(2'-3') | PROVIDENCE | 12/11/09 13:15 |
| L0918110-15 | SB-70(0'-1') | PROVIDENCE | 12/11/09 12:15 |
| L0918110-16 | SB-70(1'-2') | PROVIDENCE | 12/11/09 12:15 |
| L0918110-17 | SB-70(2'-3') | PROVIDENCE | 12/11/09 12:15 |
| L0918110-18 | SB-71(0'-1') | PROVIDENCE | 12/11/09 12:00 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0918110 |
| **Project Number:** | 0222610.01 | **Report Date:** | 12/21/09 |

**Case Narrative**

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L0918110-02 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

L0918110-05 and -11 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples.

L0918110-06, -07, -10, and -12 through -18 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110
**Project Number:** 0222610.01 **Report Date:** 12/21/09

**Case Narrative (continued)**

The surrogate recoveries for L0918110-05, -06, and -10 through -18 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons

Title: Technical Director/Representative Date: 12/21/09

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-01 | Date Collected: | 12/11/09 09:30 |
| Client ID: | SB-63(4'-5') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:48 |
| Analytical Date: | 12/21/09 09:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.9 | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.9 | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.9 | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.9 | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.9 | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.9 | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.9 | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.9 | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.9 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | A |
| Decachlorobiphenyl | 67 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | B |
| Decachlorobiphenyl | 88 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-02 | Date Collected: | 12/11/09 09:30 |
| Client ID: | SB-63(5'-6') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:48 |
| Analytical Date: | 12/21/09 09:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1016 | ND | | ug/kg | 70.1 | 2 |
| Aroclor 1221 | ND | | ug/kg | 70.1 | 2 |
| Aroclor 1232 | ND | | ug/kg | 70.1 | 2 |
| Aroclor 1242 | ND | | ug/kg | 70.1 | 2 |
| Aroclor 1248 | ND | | ug/kg | 70.1 | 2 |
| Aroclor 1254 | ND | | ug/kg | 70.1 | 2 |
| Aroclor 1260 | ND | | ug/kg | 70.1 | 2 |
| Aroclor 1262 | ND | | ug/kg | 70.1 | 2 |
| Aroclor 1268 | ND | | ug/kg | 70.1 | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | A |
| Decachlorobiphenyl | 85 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | B |
| Decachlorobiphenyl | 112 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-03 | Date Collected: | 12/11/09 09:30 |
| Client ID: | SB-63(6'-7') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:48 |
| Analytical Date: | 12/21/09 09:38 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | A |
| Decachlorobiphenyl | 76 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 | B |
| Decachlorobiphenyl | 94 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-04 | Date Collected: | 12/11/09 09:30 |
| Client ID: | SB-63(7'-8') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:48 |
| Analytical Date: | 12/21/09 09:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | B |
| Decachlorobiphenyl | 89 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-05 | Date Collected: | 12/11/09 13:45 |
| Client ID: | SB-64(0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:48 |
| Analytical Date: | 12/21/09 11:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 78% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 35000 | | ug/kg | 4210 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-05 | Date Collected: | 12/11/09 13:45 |
| Client ID: | SB-64(0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:48 |
| Analytical Date: | 12/21/09 11:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 78% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 4210 | 100 |
| Aroclor 1221 | ND | | ug/kg | 4210 | 100 |
| Aroclor 1232 | ND | | ug/kg | 4210 | 100 |
| Aroclor 1242 | ND | | ug/kg | 4210 | 100 |
| Aroclor 1254 | 32300 | | ug/kg | 4210 | 100 |
| Aroclor 1260 | ND | | ug/kg | 4210 | 100 |
| Aroclor 1262 | ND | | ug/kg | 4210 | 100 |
| Aroclor 1268 | ND | | ug/kg | 4210 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-06 | Date Collected: | 12/11/09 13:45 |
| Client ID: | SB-64(1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:48 |
| Analytical Date: | 12/21/09 10:17 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 739 | 20 |
| Aroclor 1221 | ND | | ug/kg | 739 | 20 |
| Aroclor 1232 | ND | | ug/kg | 739 | 20 |
| Aroclor 1242 | ND | | ug/kg | 739 | 20 |
| Aroclor 1254 | 4760 | | ug/kg | 739 | 20 |
| Aroclor 1260 | ND | | ug/kg | 739 | 20 |
| Aroclor 1262 | ND | | ug/kg | 739 | 20 |
| Aroclor 1268 | ND | | ug/kg | 739 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-06 | Date Collected: | 12/11/09 13:45 |
| Client ID: | SB-64(1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:48 |
| Analytical Date: | 12/21/09 10:17 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 4250 | | ug/kg | 739 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-07 | Date Collected: | 12/11/09 13:45 |
| Client ID: | SB-64(2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:48 |
| Analytical Date: | 12/21/09 10:05 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 82% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 203 | 5 |
| Aroclor 1221 | ND | | ug/kg | 203 | 5 |
| Aroclor 1232 | ND | | ug/kg | 203 | 5 |
| Aroclor 1242 | ND | | ug/kg | 203 | 5 |
| Aroclor 1260 | ND | | ug/kg | 203 | 5 |
| Aroclor 1262 | ND | | ug/kg | 203 | 5 |
| Aroclor 1268 | ND | | ug/kg | 203 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | A |
| Decachlorobiphenyl | 68 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 110 | | 30-150 | B |
| Decachlorobiphenyl | 84 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-07 | Date Collected: | 12/11/09 13:45 |
| Client ID: | SB-64(2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:48 |
| Analytical Date: | 12/21/09 10:05 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 82% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 915 | | ug/kg | 203 | 5 |
| Aroclor 1254 | 1510 | | ug/kg | 203 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | A |
| Decachlorobiphenyl | 68 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 110 | | 30-150 | B |
| Decachlorobiphenyl | 84 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-08 | Date Collected: | 12/11/09 13:30 |
| Client ID: | SB-65(0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:48 |
| Analytical Date: | 12/21/09 10:06 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.1 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.1 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.1 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.1 | 1 |
| Aroclor 1248 | 63.8 | | ug/kg | 35.1 | 1 |
| Aroclor 1254 | 56.8 | | ug/kg | 35.1 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.1 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.1 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 72 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 103 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-09 | Date Collected: | 12/11/09 13:30 |
| Client ID: | SB-65(1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:48 |
| Analytical Date: | 12/21/09 10:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | A |
| Decachlorobiphenyl | 66 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 78 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-10 | Date Collected: | 12/11/09 13:30 |
| Client ID: | SB-65(2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:48 |
| Analytical Date: | 12/21/09 12:09 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 21100 | | ug/kg | 3890 | 100 |
| Aroclor 1254 | 12000 | | ug/kg | 3890 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-10 | Date Collected: | 12/11/09 13:30 |
| Client ID: | SB-65(2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:48 |
| Analytical Date: | 12/21/09 12:09 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3890 | 100 |
| Aroclor 1221 | ND | | ug/kg | 3890 | 100 |
| Aroclor 1232 | ND | | ug/kg | 3890 | 100 |
| Aroclor 1242 | ND | | ug/kg | 3890 | 100 |
| Aroclor 1260 | ND | | ug/kg | 3890 | 100 |
| Aroclor 1262 | ND | | ug/kg | 3890 | 100 |
| Aroclor 1268 | ND | | ug/kg | 3890 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-11 | Date Collected: | 12/11/09 13:30 |
| Client ID: | SB-65(3'-4') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:48 |
| Analytical Date: | 12/21/09 11:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 68% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 19100 | | ug/kg | 4900 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-11 | Date Collected: | 12/11/09 13:30 |
| Client ID: | SB-65(3'-4') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:48 |
| Analytical Date: | 12/21/09 11:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 68% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1016 | ND | | ug/kg | 4900 | 100 |
| Aroclor 1221 | ND | | ug/kg | 4900 | 100 |
| Aroclor 1232 | ND | | ug/kg | 4900 | 100 |
| Aroclor 1242 | ND | | ug/kg | 4900 | 100 |
| Aroclor 1254 | 15600 | | ug/kg | 4900 | 100 |
| Aroclor 1260 | ND | | ug/kg | 4900 | 100 |
| Aroclor 1262 | ND | | ug/kg | 4900 | 100 |
| Aroclor 1268 | ND | | ug/kg | 4900 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-12 | Date Collected: | 12/11/09 13:15 |
| Client ID: | SB-66(0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:48 |
| Analytical Date: | 12/21/09 10:30 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 771 | 20 |
| Aroclor 1221 | ND | | ug/kg | 771 | 20 |
| Aroclor 1232 | ND | | ug/kg | 771 | 20 |
| Aroclor 1242 | ND | | ug/kg | 771 | 20 |
| Aroclor 1260 | ND | | ug/kg | 771 | 20 |
| Aroclor 1262 | ND | | ug/kg | 771 | 20 |
| Aroclor 1268 | ND | | ug/kg | 771 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-12 | Date Collected: | 12/11/09 13:15 |
| Client ID: | SB-66(0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:48 |
| Analytical Date: | 12/21/09 10:30 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 3450 | | ug/kg | 771 | 20 |
| Aroclor 1254 | 4190 | | ug/kg | 771 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-13 | Date Collected: | 12/11/09 13:15 |
| Client ID: | SB-66(1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:50 |
| Analytical Date: | 12/21/09 10:42 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1016 | ND | | ug/kg | 753 | 20 |
| Aroclor 1221 | ND | | ug/kg | 753 | 20 |
| Aroclor 1232 | ND | | ug/kg | 753 | 20 |
| Aroclor 1242 | ND | | ug/kg | 753 | 20 |
| Aroclor 1254 | 5660 | | ug/kg | 753 | 20 |
| Aroclor 1260 | ND | | ug/kg | 753 | 20 |
| Aroclor 1262 | ND | | ug/kg | 753 | 20 |
| Aroclor 1268 | ND | | ug/kg | 753 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-13 | Date Collected: | 12/11/09 13:15 |
| Client ID: | SB-66(1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:50 |
| Analytical Date: | 12/21/09 10:42 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 5630 | | ug/kg | 753 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-14 | Date Collected: | 12/11/09 13:15 |
| Client ID: | SB-66(2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:50 |
| Analytical Date: | 12/21/09 10:55 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 779 | 20 |
| Aroclor 1221 | ND | | ug/kg | 779 | 20 |
| Aroclor 1232 | ND | | ug/kg | 779 | 20 |
| Aroclor 1242 | ND | | ug/kg | 779 | 20 |
| Aroclor 1254 | 6070 | | ug/kg | 779 | 20 |
| Aroclor 1260 | ND | | ug/kg | 779 | 20 |
| Aroclor 1262 | ND | | ug/kg | 779 | 20 |
| Aroclor 1268 | ND | | ug/kg | 779 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-14 | Date Collected: | 12/11/09 13:15 |
| Client ID: | SB-66(2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:50 |
| Analytical Date: | 12/21/09 10:55 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 6170 | | ug/kg | 779 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-15 | Date Collected: | 12/11/09 12:15 |
| Client ID: | SB-70(0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:50 |
| Analytical Date: | 12/21/09 12:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 42100 | | ug/kg | 3930 | 100 |
| Aroclor 1254 | 25000 | | ug/kg | 3930 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-15 | Date Collected: | 12/11/09 12:15 |
| Client ID: | SB-70(0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:50 |
| Analytical Date: | 12/21/09 12:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3930 | 100 |
| Aroclor 1221 | ND | | ug/kg | 3930 | 100 |
| Aroclor 1232 | ND | | ug/kg | 3930 | 100 |
| Aroclor 1242 | ND | | ug/kg | 3930 | 100 |
| Aroclor 1260 | ND | | ug/kg | 3930 | 100 |
| Aroclor 1262 | ND | | ug/kg | 3930 | 100 |
| Aroclor 1268 | ND | | ug/kg | 3930 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-16 | Date Collected: | 12/11/09 12:15 |
| Client ID: | SB-70(1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:50 |
| Analytical Date: | 12/21/09 12:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3970 | 100 |
| Aroclor 1221 | ND | | ug/kg | 3970 | 100 |
| Aroclor 1232 | ND | | ug/kg | 3970 | 100 |
| Aroclor 1242 | ND | | ug/kg | 3970 | 100 |
| Aroclor 1254 | 27900 | | ug/kg | 3970 | 100 |
| Aroclor 1260 | ND | | ug/kg | 3970 | 100 |
| Aroclor 1262 | ND | | ug/kg | 3970 | 100 |
| Aroclor 1268 | ND | | ug/kg | 3970 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-16 | Date Collected: | 12/11/09 12:15 |
| Client ID: | SB-70(1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:50 |
| Analytical Date: | 12/21/09 12:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 34000 | | ug/kg | 3970 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-17 | Date Collected: | 12/11/09 12:15 |
| Client ID: | SB-70(2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:50 |
| Analytical Date: | 12/21/09 11:07 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 79% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 12800 | | ug/kg | 824 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-17 | Date Collected: | 12/11/09 12:15 |
| Client ID: | SB-70(2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:50 |
| Analytical Date: | 12/21/09 11:07 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 79% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 824 | 20 |
| Aroclor 1221 | ND | | ug/kg | 824 | 20 |
| Aroclor 1232 | ND | | ug/kg | 824 | 20 |
| Aroclor 1242 | ND | | ug/kg | 824 | 20 |
| Aroclor 1254 | 5960 | | ug/kg | 824 | 20 |
| Aroclor 1260 | ND | | ug/kg | 824 | 20 |
| Aroclor 1262 | ND | | ug/kg | 824 | 20 |
| Aroclor 1268 | ND | | ug/kg | 824 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-18 | Date Collected: | 12/11/09 12:00 |
| Client ID: | SB-71(0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:50 |
| Analytical Date: | 12/21/09 11:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 5020 | | ug/kg | 741 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918110-18 | Date Collected: | 12/11/09 12:00 |
| Client ID: | SB-71(0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:50 |
| Analytical Date: | 12/21/09 11:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 741 | 20 |
| Aroclor 1221 | ND | | ug/kg | 741 | 20 |
| Aroclor 1232 | ND | | ug/kg | 741 | 20 |
| Aroclor 1242 | ND | | ug/kg | 741 | 20 |
| Aroclor 1254 | 5350 | | ug/kg | 741 | 20 |
| Aroclor 1260 | ND | | ug/kg | 741 | 20 |
| Aroclor 1262 | ND | | ug/kg | 741 | 20 |
| Aroclor 1268 | ND | | ug/kg | 741 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918110

**Project Number:** 0222610.01 **Report Date:** 12/21/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/21/09 08:30
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 12/18/09 10:48
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/19/09
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/19/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-18 Batch: WG393944-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.4 |
| Aroclor 1221 | ND | | ug/kg | 33.4 |
| Aroclor 1232 | ND | | ug/kg | 33.4 |
| Aroclor 1242 | ND | | ug/kg | 33.4 |
| Aroclor 1248 | ND | | ug/kg | 33.4 |
| Aroclor 1254 | ND | | ug/kg | 33.4 |
| Aroclor 1260 | ND | | ug/kg | 33.4 |
| Aroclor 1262 | ND | | ug/kg | 33.4 |
| Aroclor 1268 | ND | | ug/kg | 33.4 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | A |
| Decachlorobiphenyl | 79 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 | B |
| Decachlorobiphenyl | 100 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.

**Project Number:** 0222610.01

**Lab Number:** L0918110

**Report Date:** 12/21/09

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-18 Batch: WG393944-2 WG393944-3 | | | | | | | | |
| Aroclor 1016 | 93 | | 100 | | 40-140 | 7 | | 50 |
| Aroclor 1260 | 87 | | 87 | | 40-140 | 0 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 85 | | 30-150 | A |
| Decachlorobiphenyl | 78 | | 77 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 93 | | 30-150 | B |
| Decachlorobiphenyl | 96 | | 92 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918110-01
Client ID: SB-63(4'-5')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 09:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 12/15/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918110-02
Client ID: SB-63(5'-6')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 09:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | 1 | - | 12/15/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918110-03
Client ID: SB-63(6'-7')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 09:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 12/15/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918110-04
Client ID: SB-63(7'-8')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 09:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 12/15/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918110-05
Client ID: SB-64(0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 13:45
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 78 | | % | 0.10 | 1 | - | 12/15/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918110-06
Client ID: SB-64(1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 13:45
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 12/15/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918110-07
Client ID: SB-64(2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 13:45
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | 1 | - | 12/15/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918110-08
Client ID: SB-65(0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 13:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 12/15/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918110-09
Client ID: SB-65(1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 13:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | 1 | - | 12/15/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918110-10
Client ID: SB-65(2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 13:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 12/15/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918110-11
Client ID: SB-65(3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 13:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 68 | | % | 0.10 | 1 | - | 12/15/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918110-12
Client ID: SB-66(0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 13:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 12/15/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918110-13
Client ID: SB-66(1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 13:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 12/15/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918110-14
Client ID: SB-66(2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 13:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 12/15/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918110-15
Client ID: SB-70(0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 12:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | 1 | - | 12/15/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918110-16
Client ID: SB-70(1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 12:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 12/15/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918110-17
Client ID: SB-70(2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 12:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 79 | | % | 0.10 | 1 | - | 12/15/09 15:20 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918110-18
Client ID: SB-71(0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 12:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 12/15/09 15:20 | 30,2540G | TL |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG393392-1 QC Sample: L0918110-01 Client ID: SB-63(4'-5') | | | | | | |
| Solids, Total | 90 | 87 | % | 3 | | 20 |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918110
**Report Date:** 12/21/09

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |
| B | Absent |
| C | Absent |

### Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0918110-01A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918110-02A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918110-03A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918110-04A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918110-05A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918110-06A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918110-07A | Amber 250ml unpreserved | C | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918110-08A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918110-09A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918110-10A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918110-11A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918110-12A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918110-13A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918110-14A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918110-15A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918110-16A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918110-17A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918110-18A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |

*Hold days indicated by values in parentheses

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0918110 |
| **Project Number:** | 0222610.01 | **Report Date:** | 12/21/09 |

## GLOSSARY

***Acronyms***

| | |
|---|---|
| EPA | · Environmental Protection Agency. |
| LCS | · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | · Laboratory Control Sample Duplicate: Refer to LCS. |
| MS | · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | · Matrix Spike Sample Duplicate: Refer to MS. |
| NA | · Not Applicable. |
| NC | · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| ND | · Not detected at the reported detection limit for the sample. |
| NI | · Not Ignitable. |
| RDL | · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.) |
| **R** | - Analytical results are from sample re-analysis. |
| **RE** | - Analytical results are from sample re-extraction. |
| **J** | - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs). |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0918110 |
| **Project Number:** | 0222610.01 | **Report Date:** | 12/21/09 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised December 1, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Utah Department of Health** Certificate/Lab ID: AAMA. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: Chloride EPA 300.0)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

**Analytes Not Accredited by NELAP**
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

# CHAIN OF CUSTODY

PAGE 3 OF 7

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/14/09

ALPHA Job #: L0918110

**Client Information**

Client: Woodard & Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 12/21/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☑ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| RI | RCS |

**MA MCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: PCBs

**SAMPLE HANDLING**
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|
| 18110. 1 | SB-63 (4'-5') | 12/1/09 | 930 | S | GR | | 1 |
| 2 | SB-63 (5'-6') | | | | | | 1 |
| 3 | SB-63 (6'-7') | | | | | | 1 |
| 4 | SB-63 (7'-8') | | | | | | 1 |
| 5 | SB-64 (0'-1') | | 1345 | | | | 1 |
| 6 | SB-64 (1'-2') | | | | | | 1 |
| 7 | SB-64 (2'-3') | | | | | | 1 |
| 8 | SB-65 (0'-1') | | 1330 | | | | 1 |
| 9 | SB-65 (1'-2') | | | | | | 1 |
| 10 | SB-65 (2'-3') | | | | | | 1 |

| Container Type | G |
|---|---|
| Preservative | A |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 12/14/09 12:30 | | 12/14/09 12:30 |
| | 12/14/09 1810 | | 12/14/09 1810 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 4 OF 7

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/14/09

ALPHA Job #: L0918110

**Client Information**
Client: Woodard + Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**
Project Name: 1 India St
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**
☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 12/21/09 Time:

**Report Information - Data Deliverables**
☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**
☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**
State /Fed Program: RI
Criteria: RES

**MA MCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS**
☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs | SAMPLE HANDLING / Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 18110.11 | SB-65(3'-4') | 12/11/09 | 1330 | S | GR | X | | 1 |
| | ~~SB-65(4'-5')~~ | | | | | | | 1 |
| 12 | SB-66(0'-1') | | 1315 | | | X | | 1 |
| 13 | SB-66(1'-2') | | ↓ | | | X | | 1 |
| 14 | SB-66(2'-3') | | ↓ | | | X | | 1 |
| 15 | SB-70(0'-1') | | 1215 | | | X | | 1 |
| 16 | SB-70(1'-2') | | ↓ | | | X | | 1 |
| 17 | SB-70(2'-3') | | ↓ | | | X | | 1 |
| | ~~SB-70(3'-4')~~ | | | | | | | 1 |
| 18 | SB-71(0'-1') | ↓ | 1200 | ↓ | ↓ | X | | 1 |

SAMPLE HANDLING: Filtration ☐ Done ☐ Not needed ☐ Lab to do; Preservation ☐ Lab to do (Please specify below)

Container Type: G
Preservative: A

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Janelle Bonn | 12/14/09 1230 | | 12/14/09 1255 |
| | 12/15/09 1810 | | 12/14/09 1810 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L0918113 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Project Name: | 1 INDIA ST. |
| Project Number: | 0222610.01 |
| Report Date: | 12/21/09 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0918113-01 | SB-71(1'-2') | PROVIDENCE | 12/11/09 12:00 |
| L0918113-02 | SB-71(2'-3') | PROVIDENCE | 12/11/09 12:00 |
| L0918113-03 | SB-72(0'-1') | PROVIDENCE | 12/11/09 11:45 |
| L0918113-04 | SB-72(1'-2') | PROVIDENCE | 12/11/09 11:45 |
| L0918113-05 | SB-72(2'-3') | PROVIDENCE | 12/11/09 11:45 |
| L0918113-06 | SB-76(0'-1') | PROVIDENCE | 12/11/09 10:15 |
| L0918113-07 | SB-76(1'-2') | PROVIDENCE | 12/11/09 10:15 |
| L0918113-08 | SB-76(2'-3') | PROVIDENCE | 12/11/09 10:15 |
| L0918113-09 | SB-76(3'-4') | PROVIDENCE | 12/11/09 10:15 |
| L0918113-10 | SB-76(4'-5') | PROVIDENCE | 12/11/09 10:15 |
| L0918113-11 | SB-76(5'-6') | PROVIDENCE | 12/11/09 10:15 |
| L0918113-12 | SB-77(0'-1') | PROVIDENCE | 12/11/09 10:00 |
| L0918113-13 | SB-77(1'-2') | PROVIDENCE | 12/11/09 10:00 |
| L0918113-14 | SB-77(2'-3') | PROVIDENCE | 12/11/09 10:00 |
| L0918113-15 | SB-77(3'-4') | PROVIDENCE | 12/11/09 10:00 |
| L0918113-16 | SB-77(4'-5') | PROVIDENCE | 12/11/09 10:00 |
| L0918113-17 | SB-77(5'-6') | PROVIDENCE | 12/11/09 10:00 |
| L0918113-18 | SB-78(0'-1') | PROVIDENCE | 12/11/09 10:30 |
| L0918113-19 | SB-78(1'-2') | PROVIDENCE | 12/11/09 10:30 |
| L0918113-20 | SB-78(2'-3') | PROVIDENCE | 12/11/09 10:30 |
| L0918113-21 | SB-78(3'-4') | PROVIDENCE | 12/11/09 10:30 |
| L0918113-22 | SB-78(4'-5') | PROVIDENCE | 12/11/09 10:30 |
| L0918113-23 | SB-78(5'-6') | PROVIDENCE | 12/11/09 10:30 |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113
**Project Number:** 0222610.01 **Report Date:** 12/21/09

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

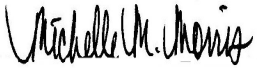
---

PCB

L0918113-01, -02, and -03 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L0918113-01 and -02 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: 

Title: Technical Director/Representative Date: 12/21/09

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-01 | Date Collected: | 12/11/09 12:00 |
| Client ID: | SB-71(1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:35 |
| Analytical Date: | 12/21/09 09:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 4590 | | ug/kg | 725 | 20 |
| Aroclor 1254 | 4100 | | ug/kg | 725 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-01 | Date Collected: | 12/11/09 12:00 |
| Client ID: | SB-71(1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:35 |
| Analytical Date: | 12/21/09 09:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 725 | 20 |
| Aroclor 1221 | ND | | ug/kg | 725 | 20 |
| Aroclor 1232 | ND | | ug/kg | 725 | 20 |
| Aroclor 1242 | ND | | ug/kg | 725 | 20 |
| Aroclor 1260 | ND | | ug/kg | 725 | 20 |
| Aroclor 1262 | ND | | ug/kg | 725 | 20 |
| Aroclor 1268 | ND | | ug/kg | 725 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-02 | Date Collected: | 12/11/09 12:00 |
| Client ID: | SB-71(2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:35 |
| Analytical Date: | 12/21/09 09:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 12100 | | ug/kg | 3910 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-02 | Date Collected: | 12/11/09 12:00 |
| Client ID: | SB-71(2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:35 |
| Analytical Date: | 12/21/09 09:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1221 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1232 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1242 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1254 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1260 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1262 | ND | | ug/kg | 3910 | 100 |
| Aroclor 1268 | ND | | ug/kg | 3910 | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-03 | Date Collected: | 12/11/09 11:45 |
| Client ID: | SB-72(0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:35 |
| Analytical Date: | 12/21/09 09:40 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 1730 | | ug/kg | 196 | 5 |
| Aroclor 1254 | 1350 | | ug/kg | 196 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | A |
| Decachlorobiphenyl | 65 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | B |
| Decachlorobiphenyl | 68 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-03 | Date Collected: | 12/11/09 11:45 |
| Client ID: | SB-72(0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:35 |
| Analytical Date: | 12/21/09 09:40 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 196 | 5 |
| Aroclor 1221 | ND | | ug/kg | 196 | 5 |
| Aroclor 1232 | ND | | ug/kg | 196 | 5 |
| Aroclor 1242 | ND | | ug/kg | 196 | 5 |
| Aroclor 1260 | ND | | ug/kg | 196 | 5 |
| Aroclor 1262 | ND | | ug/kg | 196 | 5 |
| Aroclor 1268 | ND | | ug/kg | 196 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | A |
| Decachlorobiphenyl | 65 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | B |
| Decachlorobiphenyl | 68 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-04 | Date Collected: | 12/11/09 11:45 |
| Client ID: | SB-72(1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:35 |
| Analytical Date: | 12/19/09 20:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.7 | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.7 | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.7 | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.7 | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.7 | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.7 | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.7 | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.7 | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.7 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 | A |
| Decachlorobiphenyl | 91 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 85 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-05 | Date Collected: | 12/11/09 11:45 |
| Client ID: | SB-72(2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:35 |
| Analytical Date: | 12/19/09 21:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 | A |
| Decachlorobiphenyl | 85 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | B |
| Decachlorobiphenyl | 87 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-06 | Date Collected: | 12/11/09 10:15 |
| Client ID: | SB-76(0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:35 |
| Analytical Date: | 12/19/09 21:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 287 | | ug/kg | 38.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 | A |
| Decachlorobiphenyl | 83 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | B |
| Decachlorobiphenyl | 77 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-06 | Date Collected: | 12/11/09 10:15 |
| Client ID: | SB-76(0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:35 |
| Analytical Date: | 12/19/09 21:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.2 | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.2 | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.2 | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.2 | 1 |
| Aroclor 1254 | 368 | | ug/kg | 38.2 | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.2 | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.2 | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 | A |
| Decachlorobiphenyl | 83 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | B |
| Decachlorobiphenyl | 77 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-07 | Date Collected: | 12/11/09 10:15 |
| Client ID: | SB-76(1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:35 |
| Analytical Date: | 12/19/09 21:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1248 | 257 | | ug/kg | 38.3 | 1 |
| Aroclor 1254 | 270 | | ug/kg | 38.3 | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | A |
| Decachlorobiphenyl | 93 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | B |
| Decachlorobiphenyl | 90 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-08 | Date Collected: | 12/11/09 10:15 |
| Client ID: | SB-76(2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:35 |
| Analytical Date: | 12/19/09 21:59 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.4 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 | A |
| Decachlorobiphenyl | 117 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 | B |
| Decachlorobiphenyl | 108 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-09 | Date Collected: | 12/11/09 10:15 |
| Client ID: | SB-76(3'-4') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:35 |
| Analytical Date: | 12/19/09 22:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 | A |
| Decachlorobiphenyl | 101 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 | B |
| Decachlorobiphenyl | 94 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-10 | Date Collected: | 12/11/09 10:15 |
| Client ID: | SB-76(4'-5') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:35 |
| Analytical Date: | 12/19/09 22:23 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.1 | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 30-150 | A |
| Decachlorobiphenyl | 110 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 94 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-11 | Date Collected: | 12/11/09 10:15 |
| Client ID: | SB-76(5'-6') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:35 |
| Analytical Date: | 12/21/09 12:12 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | A |
| Decachlorobiphenyl | 74 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-12 | Date Collected: | 12/11/09 10:00 |
| Client ID: | SB-77(0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:35 |
| Analytical Date: | 12/19/09 22:48 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 | A |
| Decachlorobiphenyl | 95 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 | B |
| Decachlorobiphenyl | 90 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-13 | Date Collected: | 12/11/09 10:00 |
| Client ID: | SB-77(1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:38 |
| Analytical Date: | 12/19/09 23:00 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.0 | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.0 | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.0 | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.0 | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.0 | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.0 | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.0 | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.0 | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 | A |
| Decachlorobiphenyl | 101 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | B |
| Decachlorobiphenyl | 87 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-14 | Date Collected: | 12/11/09 10:00 |
| Client ID: | SB-77(2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:38 |
| Analytical Date: | 12/19/09 23:12 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.0 | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 107 | | 30-150 | A |
| Decachlorobiphenyl | 113 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 | B |
| Decachlorobiphenyl | 102 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-15 | Date Collected: | 12/11/09 10:00 |
| Client ID: | SB-77(3'-4') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:38 |
| Analytical Date: | 12/19/09 23:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.4 | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.4 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 110 | | 30-150 | A |
| Decachlorobiphenyl | 141 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 | B |
| Decachlorobiphenyl | 132 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-16 | Date Collected: | 12/11/09 10:00 |
| Client ID: | SB-77(4'-5') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:39 |
| Analytical Date: | 12/19/09 23:37 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.1 | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.1 | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.1 | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.1 | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.1 | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.1 | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.1 | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.1 | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 115 | | 30-150 | A |
| Decachlorobiphenyl | 110 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 105 | | 30-150 | B |
| Decachlorobiphenyl | 101 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-17 | Date Collected: | 12/11/09 10:00 |
| Client ID: | SB-77(5'-6') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:39 |
| Analytical Date: | 12/19/09 23:55 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.7 | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.7 | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.7 | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.7 | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.7 | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.7 | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.7 | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.7 | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.7 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 104 | | 30-150 | A |
| Decachlorobiphenyl | 101 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | B |
| Decachlorobiphenyl | 94 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-18 | Date Collected: | 12/11/09 10:30 |
| Client ID: | SB-78(0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:39 |
| Analytical Date: | 12/20/09 00:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.0 | 1 |
| Aroclor 1221 | ND | | ug/kg | 40.0 | 1 |
| Aroclor 1232 | ND | | ug/kg | 40.0 | 1 |
| Aroclor 1242 | ND | | ug/kg | 40.0 | 1 |
| Aroclor 1248 | ND | | ug/kg | 40.0 | 1 |
| Aroclor 1254 | ND | | ug/kg | 40.0 | 1 |
| Aroclor 1260 | ND | | ug/kg | 40.0 | 1 |
| Aroclor 1262 | ND | | ug/kg | 40.0 | 1 |
| Aroclor 1268 | ND | | ug/kg | 40.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 | A |
| Decachlorobiphenyl | 95 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 | B |
| Decachlorobiphenyl | 87 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-19 | Date Collected: | 12/11/09 10:30 |
| Client ID: | SB-78(1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:39 |
| Analytical Date: | 12/20/09 00:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 | A |
| Decachlorobiphenyl | 90 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | B |
| Decachlorobiphenyl | 83 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-20 | Date Collected: | 12/11/09 10:30 |
| Client ID: | SB-78(2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:39 |
| Analytical Date: | 12/20/09 00:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.8 | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.8 | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.8 | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.8 | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.8 | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.8 | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.8 | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.8 | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.8 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 124 | | 30-150 | A |
| Decachlorobiphenyl | 139 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 115 | | 30-150 | B |
| Decachlorobiphenyl | 118 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-21 | Date Collected: | 12/11/09 10:30 |
| Client ID: | SB-78(3'-4') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:42 |
| Analytical Date: | 12/21/09 11:29 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.3 | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.3 | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.3 | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.3 | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.3 | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.3 | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.3 | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.3 | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | A |
| Decachlorobiphenyl | 67 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 79 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-22 | Date Collected: | 12/11/09 10:30 |
| Client ID: | SB-78(4'-5') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:42 |
| Analytical Date: | 12/21/09 11:43 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.6 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.6 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.6 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.6 | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.6 | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.6 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.6 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.6 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.6 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 73 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 89 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918113-23 | Date Collected: | 12/11/09 10:30 |
| Client ID: | SB-78(5'-6') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082 | Extraction Date: | 12/18/09 10:42 |
| Analytical Date: | 12/21/09 11:56 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/19/09 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/19/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.6 | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.6 | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.6 | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.6 | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.6 | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.6 | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.6 | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.6 | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.6 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | A |
| Decachlorobiphenyl | 69 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | B |
| Decachlorobiphenyl | 85 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/19/09 19:44
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 12/18/09 10:35
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/19/09
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/19/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-20 Batch: WG393937-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 |
| Aroclor 1221 | ND | | ug/kg | 33.3 |
| Aroclor 1232 | ND | | ug/kg | 33.3 |
| Aroclor 1242 | ND | | ug/kg | 33.3 |
| Aroclor 1248 | ND | | ug/kg | 33.3 |
| Aroclor 1254 | ND | | ug/kg | 33.3 |
| Aroclor 1260 | ND | | ug/kg | 33.3 |
| Aroclor 1262 | ND | | ug/kg | 33.3 |
| Aroclor 1268 | ND | | ug/kg | 33.3 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 103 | | 30-150 | A |
| Decachlorobiphenyl | 102 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 | B |
| Decachlorobiphenyl | 98 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918113

**Project Number:** 0222610.01 **Report Date:** 12/21/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/21/09 10:47
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 12/18/09 10:42
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/19/09
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/19/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 21-23 Batch: WG393940-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.4 |
| Aroclor 1221 | ND | | ug/kg | 33.4 |
| Aroclor 1232 | ND | | ug/kg | 33.4 |
| Aroclor 1242 | ND | | ug/kg | 33.4 |
| Aroclor 1248 | ND | | ug/kg | 33.4 |
| Aroclor 1254 | ND | | ug/kg | 33.4 |
| Aroclor 1260 | ND | | ug/kg | 33.4 |
| Aroclor 1262 | ND | | ug/kg | 33.4 |
| Aroclor 1268 | ND | | ug/kg | 33.4 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | A |
| Decachlorobiphenyl | 67 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | B |
| Decachlorobiphenyl | 85 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-20 Batch: WG393937-2 WG393937-3 | | | | | | | | |
| Aroclor 1016 | 93 | | 97 | | 40-140 | 4 | | 50 |
| Aroclor 1260 | 104 | | 109 | | 40-140 | 5 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 103 | | 30-150 | A |
| Decachlorobiphenyl | 109 | | 110 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 92 | | 30-150 | B |
| Decachlorobiphenyl | 94 | | 97 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 21-23 Batch: WG393940-2 WG393940-3 | | | | | | | | |
| Aroclor 1016 | 95 | | 91 | | 40-140 | 4 | | 50 |
| Aroclor 1260 | 83 | | 84 | | 40-140 | 1 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 77 | | 30-150 | A |
| Decachlorobiphenyl | 72 | | 75 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 84 | | 30-150 | B |
| Decachlorobiphenyl | 85 | | 95 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-01
Client ID: SB-71(1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 12:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-02
Client ID: SB-71(2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 12:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-03
Client ID: SB-72(0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 11:45
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-04
Client ID: SB-72(1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 11:45
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-05
Client ID: SB-72(2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 11:45
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-06
Client ID: SB-76(0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 10:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-07
Client ID: SB-76(1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 10:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-08
Client ID: SB-76(2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 10:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-09
Client ID: SB-76(3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 10:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-10
Client ID: SB-76(4'-5')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 10:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-11
Client ID: SB-76(5'-6')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 10:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-12
Client ID: SB-77(0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 10:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-13
Client ID: SB-77(1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 10:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-14
Client ID: SB-77(2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 10:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-15
Client ID: SB-77(3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 10:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-16
Client ID: SB-77(4'-5')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 10:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-17
Client ID: SB-77(5'-6')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 10:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-18
Client ID: SB-78(0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 10:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-19
Client ID: SB-78(1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 10:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-20
Client ID: SB-78(2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 10:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | 1 | - | 12/16/09 11:35 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-21
Client ID: SB-78(3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 10:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 12/17/09 16:48 | 30,2540G | SD |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-22
Client ID: SB-78(4'-5')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 10:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | 1 | - | 12/17/09 16:48 | 30,2540G | SD |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## SAMPLE RESULTS

Lab ID: L0918113-23
Client ID: SB-78(5'-6')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 10:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | 1 | - | 12/17/09 16:48 | 30,2540G | SD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG393551-1 QC Sample: L0918113-01 Client ID: SB-71(1'-2') | | | | | | |
| Solids, Total | 91 | 90 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 21-23 QC Batch ID: WG393826-1 QC Sample: L0918081-01 Client ID: DUP Sample | | | | | | |
| Solids, Total | 86 | 86 | % | 0 | | 20 |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918113
**Report Date:** 12/21/09

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |
| B | Absent |
| C | Absent |

### Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0918113-01A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-02A | Amber 250ml unpreserved | C | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-03A | Amber 250ml unpreserved | C | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-04A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-05A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-06A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-07A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-08A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-09A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-10A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-11A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-12A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-13A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-14A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-15A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-16A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-17A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-18A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-19A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-20A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-21A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-22A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918113-23A | Amber 250ml unpreserved | B | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |

*Hold days indicated by values in parentheses

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0918113 |
| **Project Number:** | 0222610.01 | **Report Date:** | 12/21/09 |

## GLOSSARY

***Acronyms***

| | |
|---|---|
| EPA | · Environmental Protection Agency. |
| LCS | · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | · Laboratory Control Sample Duplicate: Refer to LCS. |
| MS | · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | · Matrix Spike Sample Duplicate: Refer to MS. |
| NA | · Not Applicable. |
| NC | · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| ND | · Not detected at the reported detection limit for the sample. |
| NI | · Not Ignitable. |
| RDL | · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.) |
| **R** | - Analytical results are from sample re-analysis. |
| **RE** | - Analytical results are from sample re-extraction. |
| **J** | - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs). |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0918113 |
| **Project Number:** | 0222610.01 | **Report Date:** | 12/21/09 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised December 1, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Utah Department of Health** Certificate/Lab ID: AAMA. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: Chloride EPA 300.0)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

**Analytes Not Accredited by NELAP**
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

# CHAIN OF CUSTODY

PAGE 5 OF 7

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/14/09

ALPHA Job #: L0918113

## Client Information

Client: Woodard & Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 12/21/09 Time:

Other Project Specific Requirements/Comments/Detection Limits:

## Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

## Billing Information

☑ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program: RI Criteria: Res

## MA MCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☑ No Are MCP Analytical Methods Required?

☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 18113 1 | SB-71 (1'-2') | 12/11/09 | 1200 | S | GR | X | | 1 |
| 2 | SB-71 (2'-3') | | ↓ | | | X | | 1 |
| 3 | SB-72 (0'-1') | | 1145 | | | X | | 1 |
| 4 | SB-72 (1'-2') | | ↓ | | | X | | 1 |
| 5 | SB-72 (2'-3') | | ↓ | | | X | | 1 |
| 6 | SB-76 (0'-1') | | 1015 | | | X | | 1 |
| 7 | SB-76 (1'-2') | | ↓ | | | X | | 1 |
| 8 | SB-76 (2'-3') | | ↓ | | | X | | 1 |
| 9 | SB-76 (3'-4') | | ↓ | | | X | | 1 |
| 10 | SB-76 (4'-5') | | ↓ | | | X | | 1 |

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

| Container Type | A |
|---|---|
| Preservative | A |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 12/14/09 12:30 | | 12/14/09 1230 |
| | 12/14/09 1600 | | 12/14/09 1610 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 6 OF 7

Date Rec'd in Lab: 12/14/09

ALPHA Job #: L0918113

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: Woodard & Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 12/21/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☑ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program: RI
Criteria: Res

**MA MCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

**SAMPLE HANDLING**
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS PCBs | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 18113.11 | SB-76 (5'-6') | 12/11/09 | 1015 | S | GR | X | | 1 |
| 12 | SB-77 (0'-1') | | 1000 | | | X | | 1 |
| 13 | SB-77 (1'-2') | | | | | X | | 1 |
| 14 | SB-77 (2'-3') | | | | | X | | 1 |
| 15 | SB-77 (3'-4') | | | | | X | | 1 |
| 16 | SB-77 (4'-5') | | | | | X | | 1 |
| 17 | SB-77 (5'-6') | | | | | X | | 1 |
| 18 | SB-78 (0'-1') | | 1030 | | | X | | 1 |
| 19 | SB-78 (1'-2') | | | | | X | | 1 |
| 20 | SB-78 (2'-3') | | | | | X | | 1 |

PLEASE ANSWER QUESTIONS ABOVE!

Container Type: G
Preservative: A

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Janelle Bonin | 12/14/09 12:30 | [signature] | 12/14/09 1530 |
| [signature] | 12/30/09 1810 | [signature] | 12/14/09 1810 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF COUSTODY

PAGE 7 OF 7

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA, TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/14/09

ALPHA Job #: L0918113

## Client Information

Client: Woodard & Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 India St.
Project Location:
Project #: 0222610.01
Project Manager:
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 12/21/09 Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

| State /Fed Program | Criteria |
|---|---|
| RI | Residential |

## MA MCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 18113 21 | SB-78(3'-4') | 12/11/09 | 1030 | S | GR | X | | 1 |
| 22 | SB-78(4'-5') | ↓ | ↓ | ↓ | ↓ | X | | 1 |
| 23 | SB-78(5'-6') | ↓ | ↓ | ↓ | ↓ | X | | 1 |

| | PCBs |
|---|---|
| Container Type | G |
| Preservative | A |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 12/14/09 12:30 | [signature] | 12/14/09 12:30 |
| [signature] | 12/14/09 1800 | [signature] | 12/14/09 1816 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L0918645 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Project Name: | 1 INDIA ST. |
| Project Number: | 0222610.01 |
| Report Date: | 12/31/09 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L0918645-01 | SB-65 (4'-5') | PROVIDENCE | 12/11/09 13:30 |
| L0918645-02 | SB-65 (5'-6') | PROVIDENCE | 12/11/09 13:30 |
| L0918645-03 | SB-66 (3'-4') | PROVIDENCE | 12/11/09 13:15 |
| L0918645-04 | SB-67 (0'-1') | PROVIDENCE | 12/11/09 13:00 |
| L0918645-05 | SB-67 (1'-2') | PROVIDENCE | 12/11/09 13:00 |
| L0918645-06 | SB-67 (2'-3') | PROVIDENCE | 12/11/09 13:00 |
| L0918645-07 | SB-67 (3'-4') | PROVIDENCE | 12/11/09 13:00 |
| L0918645-08 | SB-68 (0'-1') | PROVIDENCE | 12/11/09 12:45 |
| L0918645-09 | SB-68 (1'-2') | PROVIDENCE | 12/11/09 12:45 |
| L0918645-10 | SB-68 (2'-3') | PROVIDENCE | 12/11/09 12:45 |
| L0918645-11 | SB-69 (0'-1') | PROVIDENCE | 12/11/09 12:30 |
| L0918645-12 | SB-69 (1'-2') | PROVIDENCE | 12/11/09 12:30 |
| L0918645-13 | SB-69 (2-3') | PROVIDENCE | 12/11/09 12:30 |
| L0918645-14 | SB-69 (3'-4') | PROVIDENCE | 12/11/09 12:30 |
| L0918645-15 | SB-70 (3'-4') | PROVIDENCE | 12/11/09 12:15 |
| L0918645-16 | SB-70 (4'-5') | PROVIDENCE | 12/11/09 12:15 |
| L0918645-17 | SB-70 (5'-6') | PROVIDENCE | 12/11/09 12:15 |
| L0918645-18 | SB-71 (3'-4') | PROVIDENCE | 12/11/09 12:00 |
| L0918645-19 | SB-71 (4'-5') | PROVIDENCE | 12/11/09 12:00 |
| L0918645-20 | SB-72 (3'-4') | PROVIDENCE | 12/11/09 11:45 |
| L0918645-21 | SB-73 (0'-1') | PROVIDENCE | 12/11/09 11:30 |
| L0918645-22 | SB-73 (1'-2') | PROVIDENCE | 12/11/09 11:30 |
| L0918645-23 | SB-73 (2'-3') | PROVIDENCE | 12/11/09 11:30 |
| L0918645-24 | SB-74 (0'-1') | PROVIDENCE | 12/11/09 11:15 |
| L0918645-25 | SB-74 (1'-2') | PROVIDENCE | 12/11/09 11:15 |
| L0918645-26 | SB-74 (2'-3') | PROVIDENCE | 12/11/09 11:15 |
| L0918645-27 | SB-75 (0'-1') | PROVIDENCE | 12/11/09 11:00 |
| L0918645-28 | SB-75 (1'-2') | PROVIDENCE | 12/11/09 11:00 |
| L0918645-29 | SB-75 (2'-3') | PROVIDENCE | 12/11/09 11:00 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0918645 |
| **Project Number:** | 0222610.01 | **Report Date:** | 12/31/09 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L0918645-01, -02, -04, -06, -09, and -12 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples.

L0918645-05, -07, -08, -15, -16, -17, -22, -24, and -27 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L0918645-11 and -13 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0918645 |
| **Project Number:** | 0222610.01 | **Report Date:** | 12/31/09 |

**Case Narrative (continued)**

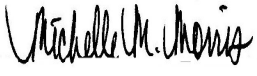
L0918645-21 has elevated detection limits due to the limited sample volume utilized during extraction, as well as the dilution required by the elevated concentrations of target compounds in the sample.

The surrogate recoveries for L0918645-01, -02, -04, -06 through -09, -12, -17, -21, and -24 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analyses are reported.

The surrogate recovery for L0918645-05 is above the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (180%), but within the overall method allowances.

The surrogate recovery for the WG395160-3 LCSD, associated with L0918645-01 through -20, is above the individual acceptance criteria for Decachlorobiphenyl (152%), but within the overall method allowances.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: 

Title: Technical Director/Representative Date: 12/31/09

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-01 | Date Collected: | 12/11/09 13:30 |
| Client ID: | SB-65 (4'-5') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 12:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 84% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38800 | 1000 |
| Aroclor 1221 | ND | | ug/kg | 38800 | 1000 |
| Aroclor 1232 | ND | | ug/kg | 38800 | 1000 |
| Aroclor 1242 | ND | | ug/kg | 38800 | 1000 |
| Aroclor 1248 | 114000 | | ug/kg | 38800 | 1000 |
| Aroclor 1254 | 63400 | | ug/kg | 38800 | 1000 |
| Aroclor 1260 | ND | | ug/kg | 38800 | 1000 |
| Aroclor 1262 | ND | | ug/kg | 38800 | 1000 |
| Aroclor 1268 | ND | | ug/kg | 38800 | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-02 | Date Collected: | 12/11/09 13:30 |
| Client ID: | SB-65 (5'-6') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 13:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 70% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 1790000 | | ug/kg | 118000 | 2500 |
| Aroclor 1254 | 710000 | | ug/kg | 118000 | 2500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-02 | Date Collected: | 12/11/09 13:30 |
| Client ID: | SB-65 (5'-6') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 13:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 70% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 118000 | 2500 |
| Aroclor 1221 | ND | | ug/kg | 118000 | 2500 |
| Aroclor 1232 | ND | | ug/kg | 118000 | 2500 |
| Aroclor 1242 | ND | | ug/kg | 118000 | 2500 |
| Aroclor 1260 | ND | | ug/kg | 118000 | 2500 |
| Aroclor 1262 | ND | | ug/kg | 118000 | 2500 |
| Aroclor 1268 | ND | | ug/kg | 118000 | 2500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-03 | Date Collected: | 12/11/09 13:15 |
| Client ID: | SB-66 (3'-4') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 13:21 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 94% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | A |
| Decachlorobiphenyl | 89 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |

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**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-04 | Date Collected: | 12/11/09 13:00 |
| Client ID: | SB-67 (0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 12:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 82% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 54800 | | ug/kg | 11400 | 280 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-04 | Date Collected: | 12/11/09 13:00 |
| Client ID: | SB-67 (0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 12:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 82% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 11400 | 280 |
| Aroclor 1221 | ND | | ug/kg | 11400 | 280 |
| Aroclor 1232 | ND | | ug/kg | 11400 | 280 |
| Aroclor 1242 | ND | | ug/kg | 11400 | 280 |
| Aroclor 1254 | 42300 | | ug/kg | 11400 | 280 |
| Aroclor 1260 | ND | | ug/kg | 11400 | 280 |
| Aroclor 1262 | ND | | ug/kg | 11400 | 280 |
| Aroclor 1268 | ND | | ug/kg | 11400 | 280 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-05 | Date Collected: | 12/11/09 13:00 |
| Client ID: | SB-67 (1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 13:04 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 91% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1254 | 724 | | ug/kg | 175 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 112 | | 30-150 | A |
| Decachlorobiphenyl | 108 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **180** | Q | 30-150 | B |
| Decachlorobiphenyl | 104 | | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-05 | Date Collected: | 12/11/09 13:00 |
| Client ID: | SB-67 (1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 13:04 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 91% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 175 | 5 |
| Aroclor 1221 | ND | | ug/kg | 175 | 5 |
| Aroclor 1232 | ND | | ug/kg | 175 | 5 |
| Aroclor 1242 | ND | | ug/kg | 175 | 5 |
| Aroclor 1248 | 1430 | | ug/kg | 175 | 5 |
| Aroclor 1260 | ND | | ug/kg | 175 | 5 |
| Aroclor 1262 | ND | | ug/kg | 175 | 5 |
| Aroclor 1268 | ND | | ug/kg | 175 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 112 | | 30-150 | A |
| Decachlorobiphenyl | 108 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **180** | Q | 30-150 | B |
| Decachlorobiphenyl | 104 | | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-06 | Date Collected: | 12/11/09 13:00 |
| Client ID: | SB-67 (2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 14:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 74% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 3400 | | ug/kg | 648 | 15 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-06 | Date Collected: | 12/11/09 13:00 |
| Client ID: | SB-67 (2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 14:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 74% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 648 | 15 |
| Aroclor 1221 | ND | | ug/kg | 648 | 15 |
| Aroclor 1232 | ND | | ug/kg | 648 | 15 |
| Aroclor 1242 | ND | | ug/kg | 648 | 15 |
| Aroclor 1254 | 1970 | | ug/kg | 648 | 15 |
| Aroclor 1260 | ND | | ug/kg | 648 | 15 |
| Aroclor 1262 | ND | | ug/kg | 648 | 15 |
| Aroclor 1268 | ND | | ug/kg | 648 | 15 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-07 | Date Collected: | 12/11/09 13:00 |
| Client ID: | SB-67 (3'-4') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 12:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 91% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 1410 | | ug/kg | 701 | 20 |
| Aroclor 1254 | ND | | ug/kg | 701 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-07 | Date Collected: | 12/11/09 13:00 |
| Client ID: | SB-67 (3'-4') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 12:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 91% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 701 | 20 |
| Aroclor 1221 | ND | | ug/kg | 701 | 20 |
| Aroclor 1232 | ND | | ug/kg | 701 | 20 |
| Aroclor 1242 | ND | | ug/kg | 701 | 20 |
| Aroclor 1260 | ND | | ug/kg | 701 | 20 |
| Aroclor 1262 | ND | | ug/kg | 701 | 20 |
| Aroclor 1268 | ND | | ug/kg | 701 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-08 | Date Collected: | 12/11/09 12:45 |
| Client ID: | SB-68 (0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 14:29 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 91% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 938 | | ug/kg | 364 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-08 | Date Collected: | 12/11/09 12:45 |
| Client ID: | SB-68 (0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 14:29 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 91% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 364 | 10 |
| Aroclor 1221 | ND | | ug/kg | 364 | 10 |
| Aroclor 1232 | ND | | ug/kg | 364 | 10 |
| Aroclor 1242 | ND | | ug/kg | 364 | 10 |
| Aroclor 1254 | 990 | | ug/kg | 364 | 10 |
| Aroclor 1260 | ND | | ug/kg | 364 | 10 |
| Aroclor 1262 | ND | | ug/kg | 364 | 10 |
| Aroclor 1268 | ND | | ug/kg | 364 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-09 | Date Collected: | 12/11/09 12:45 |
| Client ID: | SB-68 (1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 13:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 562000 | | ug/kg | 72900 | 2000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-09 | Date Collected: | 12/11/09 12:45 |
| Client ID: | SB-68 (1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 13:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 72900 | 2000 |
| Aroclor 1221 | ND | | ug/kg | 72900 | 2000 |
| Aroclor 1232 | ND | | ug/kg | 72900 | 2000 |
| Aroclor 1242 | ND | | ug/kg | 72900 | 2000 |
| Aroclor 1254 | 432000 | | ug/kg | 72900 | 2000 |
| Aroclor 1260 | ND | | ug/kg | 72900 | 2000 |
| Aroclor 1262 | ND | | ug/kg | 72900 | 2000 |
| Aroclor 1268 | ND | | ug/kg | 72900 | 2000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-10 | Date Collected: | 12/11/09 12:45 |
| Client ID: | SB-68 (2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 13:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 92% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1248 | 357 | | ug/kg | 35.5 | 1 |
| Aroclor 1254 | 276 | | ug/kg | 35.5 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.5 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 | A |
| Decachlorobiphenyl | 88 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | B |
| Decachlorobiphenyl | 92 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-11 | Date Collected: | 12/11/09 12:30 |
| Client ID: | SB-69 (0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 14:18 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 88% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 187 | 5 |
| Aroclor 1221 | ND | | ug/kg | 187 | 5 |
| Aroclor 1232 | ND | | ug/kg | 187 | 5 |
| Aroclor 1242 | ND | | ug/kg | 187 | 5 |
| Aroclor 1248 | 1880 | | ug/kg | 187 | 5 |
| Aroclor 1254 | 1800 | | ug/kg | 187 | 5 |
| Aroclor 1260 | ND | | ug/kg | 187 | 5 |
| Aroclor 1262 | ND | | ug/kg | 187 | 5 |
| Aroclor 1268 | ND | | ug/kg | 187 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | A |
| Decachlorobiphenyl | 81 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 | B |
| Decachlorobiphenyl | 60 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-12 | Date Collected: | 12/11/09 12:30 |
| Client ID: | SB-69 (1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 12:53 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 3660 | | ug/kg | 776 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-12 | Date Collected: | 12/11/09 12:30 |
| Client ID: | SB-69 (1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 12:53 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 776 | 20 |
| Aroclor 1221 | ND | | ug/kg | 776 | 20 |
| Aroclor 1232 | ND | | ug/kg | 776 | 20 |
| Aroclor 1242 | ND | | ug/kg | 776 | 20 |
| Aroclor 1254 | 3120 | | ug/kg | 776 | 20 |
| Aroclor 1260 | ND | | ug/kg | 776 | 20 |
| Aroclor 1262 | ND | | ug/kg | 776 | 20 |
| Aroclor 1268 | ND | | ug/kg | 776 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-13 | Date Collected: | 12/11/09 12:30 |
| Client ID: | SB-69 (2-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 13:07 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 84% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1260 | 130 | | ug/kg | 75.5 | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 95 | | 30-150 | A |
| Decachlorobiphenyl | 91 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 105 | | 30-150 | B |
| Decachlorobiphenyl | 101 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-13 | Date Collected: | 12/11/09 12:30 |
| Client ID: | SB-69 (2-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 13:07 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 84% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 75.5 | 2 |
| Aroclor 1221 | ND | | ug/kg | 75.5 | 2 |
| Aroclor 1232 | ND | | ug/kg | 75.5 | 2 |
| Aroclor 1242 | ND | | ug/kg | 75.5 | 2 |
| Aroclor 1248 | 226 | | ug/kg | 75.5 | 2 |
| Aroclor 1254 | 377 | | ug/kg | 75.5 | 2 |
| Aroclor 1262 | ND | | ug/kg | 75.5 | 2 |
| Aroclor 1268 | ND | | ug/kg | 75.5 | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 95 | | 30-150 | A |
| Decachlorobiphenyl | 91 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 105 | | 30-150 | B |
| Decachlorobiphenyl | 101 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-14 | Date Collected: | 12/11/09 12:30 |
| Client ID: | SB-69 (3'-4') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 13:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 94% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.9 | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.9 | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.9 | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.9 | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.9 | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.9 | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.9 | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.9 | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.9 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 | A |
| Decachlorobiphenyl | 114 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | B |
| Decachlorobiphenyl | 102 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-15 | Date Collected: | 12/11/09 12:15 |
| Client ID: | SB-70 (3'-4') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 14:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 90% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 1110 | | ug/kg | 184 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | A |
| Decachlorobiphenyl | 89 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | B |
| Decachlorobiphenyl | 82 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-15 | Date Collected: | 12/11/09 12:15 |
| Client ID: | SB-70 (3'-4') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 14:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 90% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 184 | 5 |
| Aroclor 1221 | ND | | ug/kg | 184 | 5 |
| Aroclor 1232 | ND | | ug/kg | 184 | 5 |
| Aroclor 1242 | ND | | ug/kg | 184 | 5 |
| Aroclor 1254 | 775 | | ug/kg | 184 | 5 |
| Aroclor 1260 | ND | | ug/kg | 184 | 5 |
| Aroclor 1262 | ND | | ug/kg | 184 | 5 |
| Aroclor 1268 | ND | | ug/kg | 184 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | A |
| Decachlorobiphenyl | 89 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | B |
| Decachlorobiphenyl | 82 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-16 | Date Collected: | 12/11/09 12:15 |
| Client ID: | SB-70 (4'-5') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 13:59 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 91% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1248 | 672 | | ug/kg | 180 | 5 |
| Aroclor 1254 | 530 | | ug/kg | 180 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | A |
| Decachlorobiphenyl | 77 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | B |
| Decachlorobiphenyl | 92 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-16 | Date Collected: | 12/11/09 12:15 |
| Client ID: | SB-70 (4'-5') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 13:59 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 91% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 180 | 5 |
| Aroclor 1221 | ND | | ug/kg | 180 | 5 |
| Aroclor 1232 | ND | | ug/kg | 180 | 5 |
| Aroclor 1242 | ND | | ug/kg | 180 | 5 |
| Aroclor 1260 | ND | | ug/kg | 180 | 5 |
| Aroclor 1262 | ND | | ug/kg | 180 | 5 |
| Aroclor 1268 | ND | | ug/kg | 180 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | A |
| Decachlorobiphenyl | 77 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | B |
| Decachlorobiphenyl | 92 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-17 | Date Collected: | 12/11/09 12:15 |
| Client ID: | SB-70 (5'-6') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 13:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 88% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 375 | 10 |
| Aroclor 1221 | ND | | ug/kg | 375 | 10 |
| Aroclor 1232 | ND | | ug/kg | 375 | 10 |
| Aroclor 1242 | ND | | ug/kg | 375 | 10 |
| Aroclor 1248 | 1060 | | ug/kg | 375 | 10 |
| Aroclor 1254 | 747 | | ug/kg | 375 | 10 |
| Aroclor 1260 | ND | | ug/kg | 375 | 10 |
| Aroclor 1262 | ND | | ug/kg | 375 | 10 |
| Aroclor 1268 | ND | | ug/kg | 375 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-18 | Date Collected: | 12/11/09 12:00 |
| Client ID: | SB-71 (3'-4') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 13:48 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 92% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.6 | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.6 | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.6 | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.6 | 1 |
| Aroclor 1248 | 44.6 | | ug/kg | 34.6 | 1 |
| Aroclor 1254 | 43.2 | | ug/kg | 34.6 | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.6 | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.6 | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.6 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 97 | | 30-150 | A |
| Decachlorobiphenyl | 95 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 | B |
| Decachlorobiphenyl | 96 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-19 | Date Collected: | 12/11/09 12:00 |
| Client ID: | SB-71 (4'-5') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 14:30 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 93% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.9 | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.9 | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.9 | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.9 | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.9 | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.9 | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.9 | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.9 | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.9 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | A |
| Decachlorobiphenyl | 90 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 | B |
| Decachlorobiphenyl | 85 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-20 | Date Collected: | 12/11/09 11:45 |
| Client ID: | SB-72 (3'-4') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 14:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1254 | ND | | ug/kg | 38.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 | A |
| Decachlorobiphenyl | 94 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | B |
| Decachlorobiphenyl | 107 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-20 | Date Collected: | 12/11/09 11:45 |
| Client ID: | SB-72 (3'-4') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/30/09 18:30 |
| Analytical Date: | 12/31/09 14:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 12/31/09 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1248 | 43.3 | | ug/kg | 38.3 | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.3 | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 | A |
| Decachlorobiphenyl | 94 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | B |
| Decachlorobiphenyl | 107 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-21 | Date Collected: | 12/11/09 11:30 |
| Client ID: | SB-73 (0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/29/09 13:00 |
| Analytical Date: | 12/31/09 09:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 12/30/09 |
| Percent Solids: | 80% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/30/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 6220 | 50 |
| Aroclor 1221 | ND | | ug/kg | 6220 | 50 |
| Aroclor 1232 | ND | | ug/kg | 6220 | 50 |
| Aroclor 1242 | ND | | ug/kg | 6220 | 50 |
| Aroclor 1248 | 32700 | | ug/kg | 6220 | 50 |
| Aroclor 1254 | 21200 | | ug/kg | 6220 | 50 |
| Aroclor 1260 | ND | | ug/kg | 6220 | 50 |
| Aroclor 1262 | ND | | ug/kg | 6220 | 50 |
| Aroclor 1268 | ND | | ug/kg | 6220 | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-22 | Date Collected: | 12/11/09 11:30 |
| Client ID: | SB-73 (1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/29/09 13:00 |
| Analytical Date: | 12/31/09 09:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 12/30/09 |
| Percent Solids: | 79% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/30/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 210 | 5 |
| Aroclor 1221 | ND | | ug/kg | 210 | 5 |
| Aroclor 1232 | ND | | ug/kg | 210 | 5 |
| Aroclor 1242 | ND | | ug/kg | 210 | 5 |
| Aroclor 1248 | 717 | | ug/kg | 210 | 5 |
| Aroclor 1254 | 505 | | ug/kg | 210 | 5 |
| Aroclor 1260 | ND | | ug/kg | 210 | 5 |
| Aroclor 1262 | ND | | ug/kg | 210 | 5 |
| Aroclor 1268 | ND | | ug/kg | 210 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | A |
| Decachlorobiphenyl | 106 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | B |
| Decachlorobiphenyl | 111 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-23 | Date Collected: | 12/11/09 11:30 |
| Client ID: | SB-73 (2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/29/09 13:00 |
| Analytical Date: | 12/30/09 14:18 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 12/30/09 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/30/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.3 | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | A |
| Decachlorobiphenyl | 82 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 | B |
| Decachlorobiphenyl | 80 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-24 | Date Collected: | 12/11/09 11:15 |
| Client ID: | SB-74 (0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/29/09 13:00 |
| Analytical Date: | 12/30/09 16:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 12/30/09 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/30/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 741 | 20 |
| Aroclor 1221 | ND | | ug/kg | 741 | 20 |
| Aroclor 1232 | ND | | ug/kg | 741 | 20 |
| Aroclor 1242 | ND | | ug/kg | 741 | 20 |
| Aroclor 1248 | 3010 | | ug/kg | 741 | 20 |
| Aroclor 1254 | 2380 | | ug/kg | 741 | 20 |
| Aroclor 1260 | ND | | ug/kg | 741 | 20 |
| Aroclor 1262 | ND | | ug/kg | 741 | 20 |
| Aroclor 1268 | ND | | ug/kg | 741 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-25 | Date Collected: | 12/11/09 11:15 |
| Client ID: | SB-74 (1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/29/09 13:00 |
| Analytical Date: | 12/30/09 14:56 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 12/30/09 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/30/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 59.8 | | ug/kg | 37.2 | 1 |
| Aroclor 1262 | 41.0 | | ug/kg | 37.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | A |
| Decachlorobiphenyl | 98 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | B |
| Decachlorobiphenyl | 92 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-25 | Date Collected: | 12/11/09 11:15 |
| Client ID: | SB-74 (1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/29/09 13:00 |
| Analytical Date: | 12/30/09 14:56 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 12/30/09 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/30/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.2 | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.2 | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.2 | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.2 | 1 |
| Aroclor 1248 | 56.1 | | ug/kg | 37.2 | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.2 | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | A |
| Decachlorobiphenyl | 98 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | B |
| Decachlorobiphenyl | 92 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-26 | Date Collected: | 12/11/09 11:15 |
| Client ID: | SB-74 (2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/29/09 13:00 |
| Analytical Date: | 12/30/09 15:09 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 12/30/09 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/30/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.2 | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.2 | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.2 | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.2 | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.2 | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.2 | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.2 | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.2 | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 | A |
| Decachlorobiphenyl | 87 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 | B |
| Decachlorobiphenyl | 86 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-27 | Date Collected: | 12/11/09 11:00 |
| Client ID: | SB-75 (0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/29/09 13:00 |
| Analytical Date: | 12/31/09 09:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 12/30/09 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/30/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 825 | | ug/kg | 200 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | A |
| Decachlorobiphenyl | 100 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | B |
| Decachlorobiphenyl | 88 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-27 | Date Collected: | 12/11/09 11:00 |
| Client ID: | SB-75 (0'-1') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/29/09 13:00 |
| Analytical Date: | 12/31/09 09:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 12/30/09 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/30/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 200 | 5 |
| Aroclor 1221 | ND | | ug/kg | 200 | 5 |
| Aroclor 1232 | ND | | ug/kg | 200 | 5 |
| Aroclor 1242 | ND | | ug/kg | 200 | 5 |
| Aroclor 1254 | 761 | | ug/kg | 200 | 5 |
| Aroclor 1260 | ND | | ug/kg | 200 | 5 |
| Aroclor 1262 | ND | | ug/kg | 200 | 5 |
| Aroclor 1268 | ND | | ug/kg | 200 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | A |
| Decachlorobiphenyl | 100 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | B |
| Decachlorobiphenyl | 88 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-28 | Date Collected: | 12/11/09 11:00 |
| Client ID: | SB-75 (1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/29/09 13:00 |
| Analytical Date: | 12/30/09 15:51 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 12/30/09 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/30/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1254 | 81.3 | | ug/kg | 37.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | A |
| Decachlorobiphenyl | 85 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 | B |
| Decachlorobiphenyl | 71 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-28 | Date Collected: | 12/11/09 11:00 |
| Client ID: | SB-75 (1'-2') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/29/09 13:00 |
| Analytical Date: | 12/30/09 15:51 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 12/30/09 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/30/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1248 | 58.7 | | ug/kg | 37.1 | 1 |
| Aroclor 1260 | 51.5 | | ug/kg | 37.1 | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.1 | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | A |
| Decachlorobiphenyl | 85 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 | B |
| Decachlorobiphenyl | 71 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L0918645

**Project Number:** 0222610.01 **Report Date:** 12/31/09

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L0918645-29 | Date Collected: | 12/11/09 11:00 |
| Client ID: | SB-75 (2'-3') | Date Received: | 12/14/09 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/29/09 13:00 |
| Analytical Date: | 12/30/09 16:03 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 12/30/09 |
| Percent Solids: | 78% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/30/09 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/kg | 45.2 | 1 |
| Aroclor 1221 | ND | | ug/kg | 45.2 | 1 |
| Aroclor 1232 | ND | | ug/kg | 45.2 | 1 |
| Aroclor 1242 | ND | | ug/kg | 45.2 | 1 |
| Aroclor 1248 | ND | | ug/kg | 45.2 | 1 |
| Aroclor 1254 | ND | | ug/kg | 45.2 | 1 |
| Aroclor 1260 | ND | | ug/kg | 45.2 | 1 |
| Aroclor 1262 | ND | | ug/kg | 45.2 | 1 |
| Aroclor 1268 | ND | | ug/kg | 45.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | A |
| Decachlorobiphenyl | 96 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | B |
| Decachlorobiphenyl | 98 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/30/09 11:14
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 12/29/09 13:00
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/30/09
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/30/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 21-29 Batch: WG394996-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 31.3 |
| Aroclor 1221 | ND | | ug/kg | 31.3 |
| Aroclor 1232 | ND | | ug/kg | 31.3 |
| Aroclor 1242 | ND | | ug/kg | 31.3 |
| Aroclor 1248 | ND | | ug/kg | 31.3 |
| Aroclor 1254 | ND | | ug/kg | 31.3 |
| Aroclor 1260 | ND | | ug/kg | 31.3 |
| Aroclor 1262 | ND | | ug/kg | 31.3 |
| Aroclor 1268 | ND | | ug/kg | 31.3 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 | A |
| Decachlorobiphenyl | 107 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | B |
| Decachlorobiphenyl | 80 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/31/09 13:41
Analyst: SH

Extraction Method: EPA 3540C
Extraction Date: 12/30/09 18:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/31/09

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-20 Batch: WG395160-1 | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 |
| Aroclor 1221 | ND | | ug/kg | 33.3 |
| Aroclor 1232 | ND | | ug/kg | 33.3 |
| Aroclor 1242 | ND | | ug/kg | 33.3 |
| Aroclor 1248 | ND | | ug/kg | 33.3 |
| Aroclor 1254 | ND | | ug/kg | 33.3 |
| Aroclor 1260 | ND | | ug/kg | 33.3 |
| Aroclor 1262 | ND | | ug/kg | 33.3 |
| Aroclor 1268 | ND | | ug/kg | 33.3 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 105 | | 30-150 | A |
| Decachlorobiphenyl | 139 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 116 | | 30-150 | B |
| Decachlorobiphenyl | 131 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.

**Project Number:** 0222610.01

**Lab Number:** L0918645

**Report Date:** 12/31/09

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 21-29 Batch: WG394996-2 WG394996-3 | | | | | | | | |
| Aroclor 1016 | 109 | | 90 | | 40-140 | 19 | | 50 |
| Aroclor 1260 | 121 | | 104 | | 40-140 | 15 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 85 | | 30-150 | A |
| Decachlorobiphenyl | 119 | | 107 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 81 | | 30-150 | B |
| Decachlorobiphenyl | 100 | | 92 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-20 Batch: WG395160-2 WG395160-3 | | | | | | | | |
| Aroclor 1016 | 109 | | 133 | | 40-140 | 20 | | 50 |
| Aroclor 1260 | 104 | | 135 | | 40-140 | 26 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 105 | | 30-150 | A |
| Decachlorobiphenyl | 119 | | 152 | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 106 | | 30-150 | B |
| Decachlorobiphenyl | 111 | | 122 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-01
Client ID: SB-65 (4'-5')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 13:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 12/23/09 20:11 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-02
Client ID: SB-65 (5'-6')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 13:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 70 | | % | 0.10 | 1 | - | 12/23/09 20:11 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-03
Client ID: SB-66 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 13:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 12/23/09 20:11 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-04
Client ID: SB-67 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 13:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | 1 | - | 12/23/09 20:11 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-05
Client ID: SB-67 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 13:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | 1 | - | 12/23/09 20:11 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-06
Client ID: SB-67 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 13:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 74 | | % | 0.10 | 1 | - | 12/24/09 13:45 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-07
Client ID: SB-67 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 13:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | 1 | - | 12/24/09 13:45 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-08
Client ID: SB-68 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 12:45
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | 1 | - | 12/24/09 13:45 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-09
Client ID: SB-68 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 12:45
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 12/24/09 13:45 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-10
Client ID: SB-68 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 12:45
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-11
Client ID: SB-69 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 12:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-12
Client ID: SB-69 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 12:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-13
Client ID: SB-69 (2-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 12:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-14
Client ID: SB-69 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 12:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-15
Client ID: SB-70 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 12:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-16
Client ID: SB-70 (4'-5')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 12:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-17
Client ID: SB-70 (5'-6')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 12:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-18
Client ID: SB-71 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 12:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-19
Client ID: SB-71 (4'-5')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 12:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-20
Client ID: SB-72 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 11:45
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-21
Client ID: SB-73 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 11:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 80 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-22
Client ID: SB-73 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 11:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 79 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-23
Client ID: SB-73 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 11:30
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-24
Client ID: SB-74 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 11:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-25
Client ID: SB-74 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 11:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-26
Client ID: SB-74 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 11:15
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-27
Client ID: SB-75 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 11:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-28
Client ID: SB-75 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 11:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | 1 | - | 12/24/09 14:30 | 30,2540G | TL |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## SAMPLE RESULTS

Lab ID: L0918645-29
Client ID: SB-75 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/11/09 11:00
Date Received: 12/14/09
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | |
| Solids, Total | 78 | | % | 0.10 | 1 | - | 12/28/09 12:13 | 30,2540G | SD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG394633-1 QC Sample: L0918641-01 Client ID: DUP Sample | | | | | | |
| Solids, Total | 84 | 83 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 06-09 QC Batch ID: WG394734-1 QC Sample: L0918041-06 Client ID: DUP Sample | | | | | | |
| Solids, Total | 85 | 83 | % | 2 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 10-28 QC Batch ID: WG394735-1 QC Sample: L0918645-10 Client ID: SB-68 (2'-3') | | | | | | |
| Solids, Total | 92 | 91 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 29 QC Batch ID: WG394842-1 QC Sample: L0918645-29 Client ID: SB-75 (2'-3') | | | | | | |
| Solids, Total | 78 | 80 | % | 3 | | 20 |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L0918645
**Report Date:** 12/31/09

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |

### Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L0918645-01A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-02A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-03A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-04A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-05A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-06A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-07A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-08A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-09A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-10A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-11A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-12A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-13A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-14A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-15A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-16A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-17A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-18A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-19A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-20A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-21A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-22A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-23A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-24A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-25A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-26A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-27A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-28A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |
| L0918645-29A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | PCB-8082(14),TS(7) |

*Hold days indicated by values in parentheses

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0918645 |
| **Project Number:** | 0222610.01 | **Report Date:** | 12/31/09 |

## GLOSSARY

***Acronyms***

| | |
|---|---|
| EPA | · Environmental Protection Agency. |
| LCS | · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | · Laboratory Control Sample Duplicate: Refer to LCS. |
| MS | · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | · Matrix Spike Sample Duplicate: Refer to MS. |
| NA | · Not Applicable. |
| NC | · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| ND | · Not detected at the reported detection limit for the sample. |
| NI | · Not Ignitable. |
| RDL | · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.) |
| **R** | - Analytical results are from sample re-analysis. |
| **RE** | - Analytical results are from sample re-extraction. |
| **J** | - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs). |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L0918645 |
| **Project Number:** | 0222610.01 | **Report Date:** | 12/31/09 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised December 1, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Utah Department of Health** Certificate/Lab ID: AAMA. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: Chloride EPA 300.0)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

**Analytes Not Accredited by NELAP**
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

12310916:22

L0918645

# CHAIN OF CUSTODY

PAGE 1 OF 7

Date Rec'd in Lab: 12/14/09

ALPHA Job #: ~~L0918141~~ LT 12/23/09

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: Woodard & Curran
Address: 95 Cedar St. Suite 100
Phone: 401 273-1007
Fax:
Email: GROSE@woodardcurran.com
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St.
Project Location: Providence
Project #: 0222610.01
Project Manager: Garrett Rose
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 12/31/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☒ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| RI | Residential |

**MA MCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS**

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs ~~(HHH)~~ | PCBs | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|
| 18141 1 | SB-61 (8'-9') | 12/11/09 | 830 | S | GR | X | | All Samples on | 1 |
| 8645 2 | SB-61 (9'-10') | 12/11/09 | 830 | S | GR | X | | this COC are | 1 |
| 3 | SB-62 (8'-9') | 12/11/09 | 900 | S | GR | X | | To Be held | 1 |
| 4 | SB-62 (9'-10') | 12/11/09 | 900 | S | GR | X | | until instructed | 1 |
| 5 | SB-63 (8'-9') | 12/11/09 | 930 | S | GR | X | | by Woodard & | 1 |
| 6 | SB-63 (9'-10') | 12/11/09 | 930 | S | GR | X | | Curran | 1 |
| 7 | SB-64 (3'-4') | 12/11/09 | 1345 | S | GR | X | | | 1 |
| 8 | SB-64 (4'-5') | 12/11/09 | 1345 | S | GR | X | | | 1 |
| 9 | SB-64 (5'-6') | 12/11/09 | 1345 | S | GR | X | | | 1 |
| 10 | SB-65 (4'-5') | 12/11/09 | 1330 | S | GR | X | ✓ | | 1 |

LT 12/23/09

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| | |
|---|---|
| Container Type | G |
| Preservative | A |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Janelle Bonn | 12/14/09 12:30 | [signature] | 12/14/09 12:30 |
| [signature] | 12/14/09 1810 | [signature] | 12/14/09 1810 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

L0918645

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# CHAIN OF CUSTODY

PAGE 2 OF 7

Date Rec'd in Lab: 12/4/09

ALPHA Job #: L0918645 12/23/09

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: Woodard & Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St.
Project Location: Providence
Project #: 0222610.01
Project Manager: Garrett Rose
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 12/31/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| RI | Residential |

**MA MCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS**

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: PCBs (Hold) | PCBs

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs (Hold) | PCBs | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|
| L8144211 | SB-65 (5'-6') | 12/1/09 | 1330 | S | GR | X | ✓ | All Samples on | 1 |
| 8649 312 | SB-66 (3'-4') | 12/1/09 | 1315 | S | GR | X | ✓ | this COC are | 1 |
| 13 | SB-66 (4'-5') | 12/1/09 | 1315 | S | GR | X | | To be held | 1 |
| 14 | SB-66 (5'-6') | 12/1/09 | 1315 | S | GR | X | | until instructed | 1 |
| 4 15 | SB-67 (0'-1') | 12/1/09 | 1300 | S | GR | X | ✓ | by Woodard & | 1 |
| 5 16 | SB-67 (1'-2') | 12/1/09 | 1300 | S | GR | X | ✓ | Curran | 1 |
| 6 17 | SB-67 (2'-3') | 12/1/09 | 1300 | S | GR | X | ✓ | | 1 |
| 7 18 | SB-67 (3'-4') | 12/1/09 | 1300 | S | GR | X | ✓ | | 1 |
| 19 | SB-67 (4'-5') | 12/1/09 | 1300 | S | GR | X | | | 1 |
| 20 | SB-67 (5'-6') | 12/1/09 | 1300 | S | GR | X | | | 1 |

ET 12/23/09

Container Type: G
Preservative: A

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

FORM NO: 01-01 (rev. 14-OCT-07)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 12/4/09 12:30 | | 12/4/09 1230 |
| | 12/4/09 1814 | | 12/4/09 1814 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

12310916:22

L0918645

# CHAIN OF CUSTODY

PAGE 3 OF 7

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/14/09

ALPHA Job #: ~~L0918141~~ LT 12/23/09

**Client Information**

Client: Woodard & Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St.

Project Location: Providence

Project #: 0222610.01

Project Manager: Garrett Rose

ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 12/31/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| RI | Residential |

**MA MCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS**

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs (Total) | PCBs | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|
| ~~L8141~~ 8645 21 | SB-68 (0'-1') | 12/11/09 | 1245 | S | GR | X | ✓ | All Samples on | 1 |
| 9 22 | SB-68 (1'-2') | 12/11/09 | 1245 | S | GR | X | ✓ | this COC are | 1 |
| 10 23 | SB-68 (2'-3') | 12/11/09 | 1245 | S | GR | X | ✓ | to be held until | 1 |
| 24 | SB-68 (3'-4') | 12/11/09 | 1245 | S | GR | X | | Instructed by | 1 |
| 25 | SB-68 (4'-5') | 12/11/09 | 1245 | S | GR | X | | Woodard & | 1 |
| 26 | SB-68 (5'-6') | 12/11/09 | 1245 | S | GR | X | ✓ | Curran | 1 |
| 11 27 | SB-69 (0'-1') | 12/11/09 | 1230 | S | GR | X | ✓ | | 1 |
| 12 28 | SB-69 (1'-2') | 12/11/09 | 1230 | S | GR | X | ✓ | | 1 |
| 13 29 | SB-69 (2'-3') | 12/11/09 | 1230 | S | GR | X | ✓ | | 1 |
| 14 30 | SB-69 (3'-4') | 12/11/09 | 1230 | S | GR | X | ✓ | | 1 |

LT 12/23/09

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | G | | | | | | | | | | | | | | |
| Preservative | A | | | | | | | | | | | | | | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Janelle Bonn | 12/14/09 12:30 | [signature] | 12/14/09 1230 |
| [signature] | 12/14/09 1810 | [signature] | 12/14/09 1810 |

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FORM NO: 01-01 (rev. 14-OCT-07)

12310916:22

L0918645

# CHAIN OF CUSTODY

PAGE 4 OF 7

Date Rec'd in Lab: 12/14/09

ALPHA Job #: L0918141 LT 12/23/09

ALPHA TOTAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: Woodard & Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St.
Project Location: 0222610.01
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 12/31/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☒ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| RI | Residential |

**MA MCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS**

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

**SAMPLE HANDLING**
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs (Hold) | ANALYSIS: PCBs | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|
| L8141 31 | SB-69 (4'-5') | 12/11/09 | 1230 | S | GR | X | | All samples on | 1 |
| 0645 32 | SB-69 (5'-6') | 12/11/09 | 1230 | S | GR | X | | This COC are | 1 |
| 15 33 | SB-70 (3'-4') | 12/11/09 | 1215 | S | GR | X | ✓ | to be held | 1 |
| 16 34 | SB-70 (4'-5') | 12/11/09 | 1215 | S | GR | X | ✓ | until instructed | 1 |
| 17 35 | SB-70 (5'-6') | 12/11/09 | 1215 | S | GR | X | ✓ | by Woodard & | 1 |
| 18 36 | SB-71 (3'-4') | 12/11/09 | 1200 | S | GR | X | ✓ | Curran | 1 |
| 19 37 | SB-71 (4'-5') | 12/11/09 | 1200 | S | GR | X | ✓ | | 1 |
| 38 | SB-71 (5'-6') | 12/11/09 | 1200 | S | GR | X | | | 1 |
| 20 39 | SB-72 (3'-4') | 12/11/09 | 1145 | S | GR | X | ✓ | | |
| 40 | SB-72 (4'-5') | 12/11/09 | 1145 | S | GR | X | | | |

LT 12/23/09

PLEASE ANSWER QUESTIONS ABOVE!

| | |
|---|---|
| Container Type | G |
| Preservative | A |

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Janelle Bonn | 12/14/09 12:30 | [signature] | 12/14/09 1230 |
| [signature] | 12/14/09 1230 | | 12/14/09 1230 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

12310916:22

L0918645

# CHAIN OF CUSTODY

PAGE 5 OF 7

Date Rec'd in Lab: 12/14/09

ALPHA Job #: ~~L0918141~~ LT 12/23/09

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: Woodard & Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St.
Project Location:
Project #: 0222610.01
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 12/31/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program: RI
Criteria: Residential

**MA MCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS**

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs | PCBs | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|
| ~~18141~~ 41 | SB-72 (5'-6') | 12/11/09 | 1145 | S | GR | X | | All samples on | |
| 8645 21 42 | SB-73 (0'-1') | 12/11/09 | 1130 | S | GR | X | ✓ | This COC are | |
| 22 43 | SB-73 (1'-2') | 12/11/09 | 1130 | S | GR | X | ✓ | to be held | |
| 23 44 | SB-73 (2'-3') | 12/11/09 | 1130 | S | GR | X | ✓ | until instructed | |
| 45 | SB-73 (3'-4') | 12/11/09 | 1130 | S | GR | X | | by Woodard & | |
| 46 | SB-73 (4'-5') | 12/11/09 | 1130 | S | GR | X | | Curran | |
| 47 | SB-73 (5'-6') | 12/11/09 | 1130 | S | GR | X | | | |
| 24 48 | SB-74 (0'-1') | 12/11/09 | 1115 | S | GR | X | ✓ | | |
| 25 49 | SB-74 (1'-2') | 12/11/09 | 1115 | S | GR | X | ✓ | | |
| 26 50 | SB-74 (2'-3') | 12/11/09 | 1115 | S | GR | X | ✓ | | |

KJ 12/23/09

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| | |
|---|---|
| Container Type | G |
| Preservative | A |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Jamble Bonn | 12/14/09 12:30 | [signature] | 12/14/09 12 |
| [signature] | 12/14/09 1810 | [signature] | 12/14/09 1810 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

L0918645

# CHAIN OF CUSTODY

PAGE 6 OF 7

Date Rec'd in Lab: 12/14/09

ALPHA Job #: L0918645 12/23/09

ALPHA
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: Woodard & Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St.

Project Location:

Project #: 022260.01

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 12/31/09 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| RI | Residential |

**MA MCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS**

☐ Yes ☒ No Are MCP Analytical Methods Required?

☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: PCBs (Hold) PCBs

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs (Hold) | PCBs | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|
| 16941-51 | SB-74 (3'-4') | 12/11/09 | 1115 | S | GR | X | | All samples on | |
| 7645 52 | SB-74 (4'-5') | 12/11/09 | 1115 | S | GR | X | | this COC are | |
| 53 | SB-74 (5'-6') | 12/11/09 | 1115 | S | GR | X | | to be held until | |
| 27 54 | SB-75 (0'-1') | 12/11/09 | 1100 | S | GR | X | ✓ | instructed by | |
| 28 55 | SB-75 (1'-2') | 12/11/09 | 1100 | S | GR | X | ✓ | Woodard & | |
| 29 56 | SB-75 (2'-3') | 12/11/09 | 1100 | S | GR | X | ✓ | Curran | |
| 57 | SB-75 (3'-4') | 12/11/09 | 1100 | S | GR | X | | | |
| 58 | SB-75 (4'-5') | 12/11/09 | 1100 | S | GR | X | | | |
| 59 | SB-75 (5'-6') | 12/11/09 | 1100 | S | GR | X | | | |
| 60 | SB-76 (0'-1') | 12/11/09 | 1015 | S | GR | X | | | |

Container Type: Lg-A

Preservative:

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 12/14/09 12:30 | | 12/14/09 9:22 |
| | 12/14/09 1810 | | 12/14/09 1810 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's terms and conditions. See reverse side.

12310916:22

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1007501 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Phone: | (401) 273-1007 |
| Project Name: | 1 INDIA ST. |
| Project Number: | 0222610.01 |
| Report Date: | 05/26/10 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007501
**Report Date:** 05/26/10

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1007501-01 | SB-43A (0-3") | PROVIDENCE | 05/18/10 12:30 |
| L1007501-02 | SB-43A (0-3") DUP | PROVIDENCE | 05/18/10 12:30 |
| L1007501-03 | SB-45A (0-3") | PROVIDENCE | 05/18/10 12:15 |
| L1007501-04 | SB-79 (0-1') | PROVIDENCE | 05/18/10 11:55 |
| L1007501-05 | SB-80 (0-1') | PROVIDENCE | 05/19/10 10:35 |
| L1007501-06 | SB-81 (0-1') | PROVIDENCE | 05/18/10 09:30 |
| L1007501-07 | SB-121 (0-1') | PROVIDENCE | 05/19/10 10:45 |
| L1007501-08 | SB-122 (0-1') | PROVIDENCE | 05/19/10 10:20 |
| L1007501-09 | SB-123 (0-1') | PROVIDENCE | 05/19/10 10:30 |
| L1007501-10 | SB-124 (0-1') | PROVIDENCE | 05/19/10 10:00 |
| L1007501-11 | SB-125 (0-1') | PROVIDENCE | 05/19/10 10:15 |
| L1007501-12 | SB-126 (0-1') | PROVIDENCE | 05/18/10 11:00 |
| L1007501-13 | SB-127 (0-1') | PROVIDENCE | 05/18/10 10:50 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L1007501 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/26/10 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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PCB

L1007501-01, -02, 03, -05 and -11 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L1007501-01, -02, -03, -05 and -11 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analysis are reported.

L1007501-04, -06 through -10, -12 and -13 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons Elizabeth Simmons

Title: Technical Director/Representative Date: 05/26/10

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007501-01 | D | Date Collected: | 05/18/10 12:30 |
| Client ID: | SB-43A (0-3") | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/21/10 19:11 |
| Analytical Date: | 05/25/10 20:13 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1920 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1920 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1920 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1920 | -- | 50 |
| Aroclor 1248 | 8020 | | ug/kg | 1920 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1920 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1920 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1920 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007501-01 | D | Date Collected: | 05/18/10 12:30 |
| Client ID: | SB-43A (0-3") | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/21/10 19:11 |
| Analytical Date: | 05/25/10 20:13 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 8220 | | ug/kg | 1920 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007501-02 | D | Date Collected: | 05/18/10 12:30 |
| Client ID: | SB-43A (0-3") DUP | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/21/10 19:11 |
| Analytical Date: | 05/25/10 20:26 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1450 | -- | 40 |
| Aroclor 1221 | ND | | ug/kg | 1450 | -- | 40 |
| Aroclor 1232 | ND | | ug/kg | 1450 | -- | 40 |
| Aroclor 1242 | ND | | ug/kg | 1450 | -- | 40 |
| Aroclor 1248 | 5730 | | ug/kg | 1450 | -- | 40 |
| Aroclor 1260 | ND | | ug/kg | 1450 | -- | 40 |
| Aroclor 1262 | ND | | ug/kg | 1450 | -- | 40 |
| Aroclor 1268 | ND | | ug/kg | 1450 | -- | 40 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007501-02 | D | Date Collected: | 05/18/10 12:30 |
| Client ID: | SB-43A (0-3") DUP | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/21/10 19:11 |
| Analytical Date: | 05/25/10 20:26 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 5670 | | ug/kg | 1450 | -- | 40 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007501-03 | D | Date Collected: | 05/18/10 12:15 |
| Client ID: | SB-45A (0-3") | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/21/10 19:11 |
| Analytical Date: | 05/25/10 20:38 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7340 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7340 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7340 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7340 | -- | 200 |
| Aroclor 1248 | 23600 | | ug/kg | 7340 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7340 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7340 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7340 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007501-03 | D | Date Collected: | 05/18/10 12:15 |
| Client ID: | SB-45A (0-3") | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/21/10 19:11 |
| Analytical Date: | 05/25/10 20:38 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 16800 | | ug/kg | 7340 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007501-04 | Date Collected: | 05/18/10 11:55 |
| Client ID: | SB-79 (0-1') | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/21/10 19:11 |
| Analytical Date: | 05/24/10 20:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 139 | -- | 4 |
| Aroclor 1221 | ND | | ug/kg | 139 | -- | 4 |
| Aroclor 1232 | ND | | ug/kg | 139 | -- | 4 |
| Aroclor 1242 | ND | | ug/kg | 139 | -- | 4 |
| Aroclor 1248 | ND | | ug/kg | 139 | -- | 4 |
| Aroclor 1254 | ND | | ug/kg | 139 | -- | 4 |
| Aroclor 1260 | ND | | ug/kg | 139 | -- | 4 |
| Aroclor 1262 | ND | | ug/kg | 139 | -- | 4 |
| Aroclor 1268 | ND | | ug/kg | 139 | -- | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | A |
| Decachlorobiphenyl | 86 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | B |
| Decachlorobiphenyl | 74 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007501-05 | D | Date Collected: | 05/19/10 10:35 |
| Client ID: | SB-80 (0-1') | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/21/10 19:11 |
| Analytical Date: | 05/25/10 20:50 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 910 | -- | 25 |
| Aroclor 1221 | ND | | ug/kg | 910 | -- | 25 |
| Aroclor 1232 | ND | | ug/kg | 910 | -- | 25 |
| Aroclor 1242 | ND | | ug/kg | 910 | -- | 25 |
| Aroclor 1248 | 3260 | | ug/kg | 910 | -- | 25 |
| Aroclor 1260 | ND | | ug/kg | 910 | -- | 25 |
| Aroclor 1262 | ND | | ug/kg | 910 | -- | 25 |
| Aroclor 1268 | ND | | ug/kg | 910 | -- | 25 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007501-05 | D | Date Collected: | 05/19/10 10:35 |
| Client ID: | SB-80 (0-1') | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/21/10 19:11 |
| Analytical Date: | 05/25/10 20:50 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 4130 | | ug/kg | 910 | -- | 25 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007501-06 | Date Collected: | 05/18/10 09:30 |
| Client ID: | SB-81 (0-1') | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/21/10 19:11 |
| Analytical Date: | 05/24/10 21:05 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 139 | -- | 4 |
| Aroclor 1221 | ND | | ug/kg | 139 | -- | 4 |
| Aroclor 1232 | ND | | ug/kg | 139 | -- | 4 |
| Aroclor 1242 | ND | | ug/kg | 139 | -- | 4 |
| Aroclor 1254 | 987 | | ug/kg | 139 | -- | 4 |
| Aroclor 1260 | ND | | ug/kg | 139 | -- | 4 |
| Aroclor 1262 | ND | | ug/kg | 139 | -- | 4 |
| Aroclor 1268 | ND | | ug/kg | 139 | -- | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | A |
| Decachlorobiphenyl | 119 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | B |
| Decachlorobiphenyl | 86 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007501-06 | Date Collected: | 05/18/10 09:30 |
| Client ID: | SB-81 (0-1') | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/21/10 19:11 |
| Analytical Date: | 05/24/10 21:05 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 1000 | | ug/kg | 139 | -- | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | A |
| Decachlorobiphenyl | 119 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | B |
| Decachlorobiphenyl | 86 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007501-07 | Date Collected: | 05/19/10 10:45 |
| Client ID: | SB-121 (0-1') | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/21/10 19:11 |
| Analytical Date: | 05/24/10 21:17 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 151 | -- | 4 |
| Aroclor 1221 | ND | | ug/kg | 151 | -- | 4 |
| Aroclor 1232 | ND | | ug/kg | 151 | -- | 4 |
| Aroclor 1242 | ND | | ug/kg | 151 | -- | 4 |
| Aroclor 1248 | 1000 | | ug/kg | 151 | -- | 4 |
| Aroclor 1254 | 863 | | ug/kg | 151 | -- | 4 |
| Aroclor 1260 | ND | | ug/kg | 151 | -- | 4 |
| Aroclor 1262 | ND | | ug/kg | 151 | -- | 4 |
| Aroclor 1268 | ND | | ug/kg | 151 | -- | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | A |
| Decachlorobiphenyl | 93 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 76 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007501-08 | Date Collected: | 05/19/10 10:20 |
| Client ID: | SB-122 (0-1') | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/21/10 19:11 |
| Analytical Date: | 05/24/10 21:29 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 79% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 170 | -- | 4 |
| Aroclor 1221 | ND | | ug/kg | 170 | -- | 4 |
| Aroclor 1232 | ND | | ug/kg | 170 | -- | 4 |
| Aroclor 1242 | ND | | ug/kg | 170 | -- | 4 |
| Aroclor 1248 | 452 | | ug/kg | 170 | -- | 4 |
| Aroclor 1260 | ND | | ug/kg | 170 | -- | 4 |
| Aroclor 1262 | ND | | ug/kg | 170 | -- | 4 |
| Aroclor 1268 | ND | | ug/kg | 170 | -- | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | A |
| Decachlorobiphenyl | 98 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 80 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007501-08 | Date Collected: | 05/19/10 10:20 |
| Client ID: | SB-122 (0-1') | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/21/10 19:11 |
| Analytical Date: | 05/24/10 21:29 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 79% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1254 | 236 | | ug/kg | 170 | -- | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | A |
| Decachlorobiphenyl | 98 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 80 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007501-09 | Date Collected: | 05/19/10 10:30 |
| Client ID: | SB-123 (0-1') | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/21/10 19:11 |
| Analytical Date: | 05/24/10 21:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 155 | -- | 4 |
| Aroclor 1221 | ND | | ug/kg | 155 | -- | 4 |
| Aroclor 1232 | ND | | ug/kg | 155 | -- | 4 |
| Aroclor 1242 | ND | | ug/kg | 155 | -- | 4 |
| Aroclor 1248 | ND | | ug/kg | 155 | -- | 4 |
| Aroclor 1254 | 177 | | ug/kg | 155 | -- | 4 |
| Aroclor 1260 | ND | | ug/kg | 155 | -- | 4 |
| Aroclor 1262 | ND | | ug/kg | 155 | -- | 4 |
| Aroclor 1268 | ND | | ug/kg | 155 | -- | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | A |
| Decachlorobiphenyl | 85 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | B |
| Decachlorobiphenyl | 72 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007501-10 | Date Collected: | 05/19/10 10:00 |
| Client ID: | SB-124 (0-1') | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/21/10 19:11 |
| Analytical Date: | 05/24/10 21:54 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 80% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 167 | -- | 4 |
| Aroclor 1221 | ND | | ug/kg | 167 | -- | 4 |
| Aroclor 1232 | ND | | ug/kg | 167 | -- | 4 |
| Aroclor 1242 | ND | | ug/kg | 167 | -- | 4 |
| Aroclor 1248 | 529 | | ug/kg | 167 | -- | 4 |
| Aroclor 1254 | ND | | ug/kg | 167 | -- | 4 |
| Aroclor 1260 | ND | | ug/kg | 167 | -- | 4 |
| Aroclor 1262 | ND | | ug/kg | 167 | -- | 4 |
| Aroclor 1268 | ND | | ug/kg | 167 | -- | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | A |
| Decachlorobiphenyl | 88 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007501-11 | D | Date Collected: | 05/19/10 10:15 |
| Client ID: | SB-125 (0-1') | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/21/10 19:14 |
| Analytical Date: | 05/25/10 21:03 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 2260 | | ug/kg | 740 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007501-11 | D | Date Collected: | 05/19/10 10:15 |
| Client ID: | SB-125 (0-1') | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/21/10 19:14 |
| Analytical Date: | 05/25/10 21:03 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 740 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 740 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 740 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 740 | -- | 20 |
| Aroclor 1248 | 2200 | | ug/kg | 740 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 740 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 740 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 740 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007501-12 | Date Collected: | 05/18/10 11:00 |
| Client ID: | SB-126 (0-1') | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/21/10 19:14 |
| Analytical Date: | 05/24/10 22:18 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 148 | -- | 4 |
| Aroclor 1221 | ND | | ug/kg | 148 | -- | 4 |
| Aroclor 1232 | ND | | ug/kg | 148 | -- | 4 |
| Aroclor 1242 | ND | | ug/kg | 148 | -- | 4 |
| Aroclor 1248 | 1330 | | ug/kg | 148 | -- | 4 |
| Aroclor 1254 | 931 | | ug/kg | 148 | -- | 4 |
| Aroclor 1260 | ND | | ug/kg | 148 | -- | 4 |
| Aroclor 1262 | ND | | ug/kg | 148 | -- | 4 |
| Aroclor 1268 | ND | | ug/kg | 148 | -- | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | A |
| Decachlorobiphenyl | 139 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007501

**Project Number:** 0222610.01 **Report Date:** 05/26/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007501-13 | Date Collected: | 05/18/10 10:50 |
| Client ID: | SB-127 (0-1') | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/21/10 19:15 |
| Analytical Date: | 05/24/10 22:30 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/25/10 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/25/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 149 | -- | 4 |
| Aroclor 1221 | ND | | ug/kg | 149 | -- | 4 |
| Aroclor 1232 | ND | | ug/kg | 149 | -- | 4 |
| Aroclor 1242 | ND | | ug/kg | 149 | -- | 4 |
| Aroclor 1248 | 303 | | ug/kg | 149 | -- | 4 |
| Aroclor 1254 | 246 | | ug/kg | 149 | -- | 4 |
| Aroclor 1260 | ND | | ug/kg | 149 | -- | 4 |
| Aroclor 1262 | ND | | ug/kg | 149 | -- | 4 |
| Aroclor 1268 | ND | | ug/kg | 149 | -- | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | A |
| Decachlorobiphenyl | 108 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | B |
| Decachlorobiphenyl | 78 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007501
**Report Date:** 05/26/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/25/10 19:37
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 05/21/10 19:11
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/25/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/25/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-13 Batch: WG414066-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.2 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | A |
| Decachlorobiphenyl | 54 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 | B |
| Decachlorobiphenyl | 45 | | 30-150 | B |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007501
**Report Date:** 05/26/10

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG414066-4 WG414066-5 QC Sample: L1007501-04 Client ID: SB-79 (0-1') | | | | | | | | | | | | |
| Aroclor 1016 | ND | 216 | 274 | 127 | | 223 | 107 | | 40-140 | 17 | | 50 |
| Aroclor 1260 | ND | 216 | 256 | 118 | | 237 | 114 | | 40-140 | 3 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria | *Column* |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 88 | | 30-150 | A |
| Decachlorobiphenyl | 84 | | 90 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 83 | | 30-150 | B |
| Decachlorobiphenyl | 76 | | 74 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.

**Project Number:** 0222610.01

**Lab Number:** L1007501

**Report Date:** 05/26/10

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-13 Batch: WG414066-2 WG414066-3 | | | | | | | | |
| Aroclor 1016 | 90 | | 94 | | 40-140 | 4 | | 50 |
| Aroclor 1260 | 86 | | 80 | | 40-140 | 7 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 57 | | 30-150 | A |
| Decachlorobiphenyl | 48 | | 53 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 57 | | 30-150 | B |
| Decachlorobiphenyl | 49 | | 47 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007501
**Report Date:** 05/26/10

## SAMPLE RESULTS

Lab ID: L1007501-01
Client ID: SB-43A (0-3")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 12:30
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 05/23/10 20:24 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007501
**Report Date:** 05/26/10

## SAMPLE RESULTS

Lab ID: L1007501-02
Client ID: SB-43A (0-3") DUP
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 12:30
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 05/23/10 20:24 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007501
**Report Date:** 05/26/10

## SAMPLE RESULTS

Lab ID: L1007501-03
Client ID: SB-45A (0-3")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 12:15
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/23/10 20:24 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007501
**Report Date:** 05/26/10

## SAMPLE RESULTS

Lab ID: L1007501-04
Client ID: SB-79 (0-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 11:55
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 05/23/10 20:24 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007501
**Report Date:** 05/26/10

## SAMPLE RESULTS

Lab ID: L1007501-05
Client ID: SB-80 (0-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 10:35
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 05/23/10 20:24 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007501
**Report Date:** 05/26/10

## SAMPLE RESULTS

Lab ID: L1007501-06
Client ID: SB-81 (0-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 09:30
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 05/23/10 20:48 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007501
**Report Date:** 05/26/10

## SAMPLE RESULTS

Lab ID: L1007501-07
Client ID: SB-121 (0-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 10:45
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 05/23/10 20:48 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007501
**Report Date:** 05/26/10

## SAMPLE RESULTS

Lab ID: L1007501-08
Client ID: SB-122 (0-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 10:20
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 79 | | % | 0.10 | NA | 1 | - | 05/23/10 20:48 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007501
**Report Date:** 05/26/10

## SAMPLE RESULTS

Lab ID: L1007501-09
Client ID: SB-123 (0-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 10:30
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 05/23/10 20:48 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007501
**Report Date:** 05/26/10

## SAMPLE RESULTS

Lab ID: L1007501-10
Client ID: SB-124 (0-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 10:00
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 80 | | % | 0.10 | NA | 1 | - | 05/23/10 20:48 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007501
**Report Date:** 05/26/10

## SAMPLE RESULTS

Lab ID: L1007501-11
Client ID: SB-125 (0-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 10:15
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 05/23/10 20:48 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007501
**Report Date:** 05/26/10

## SAMPLE RESULTS

Lab ID: L1007501-12
Client ID: SB-126 (0-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 11:00
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/23/10 20:48 | 30,2540G | NM |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007501
**Report Date:** 05/26/10

## SAMPLE RESULTS

Lab ID: L1007501-13
Client ID: SB-127 (0-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 10:50
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 05/23/10 20:48 | 30,2540G | NM |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007501
**Report Date:** 05/26/10

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG414191-1 QC Sample: L1007501-01 Client ID: SB-43A (0-3") | | | | | | |
| Solids, Total | 90 | 91 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 06-13 QC Batch ID: WG414192-1 QC Sample: L1007501-06 Client ID: SB-81 (0-1') | | | | | | |
| Solids, Total | 93 | 93 | % | 0 | | 20 |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007501
**Report Date:** 05/26/10

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007501-01A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082() |
| L1007501-02A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082() |
| L1007501-03A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082() |
| L1007501-04A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082() |
| L1007501-04B | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082() |
| L1007501-04C | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | PCB-8082() |
| L1007501-05A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082() |
| L1007501-06A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082() |
| L1007501-07A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082() |
| L1007501-08A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082() |
| L1007501-09A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082() |
| L1007501-10A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082() |
| L1007501-11A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082() |
| L1007501-12A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082() |
| L1007501-13A | Amber 250ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082() |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L1007501 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/26/10 |

## GLOSSARY

***Acronyms***

EPA · Environmental Protection Agency.

LCS · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD · Laboratory Control Sample Duplicate: Refer to LCS.

MDL · Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD · Matrix Spike Sample Duplicate: Refer to MS.

NA · Not Applicable.

NC · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI · Not Ignitable.

RL · Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L1007501 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/26/10 |

***Data Qualifiers***

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L1007501 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/26/10 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised May 19, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

**Analytes Not Accredited by NELAP**
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

# CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 5/19/10

ALPHA Job #: L1007501


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


## Client Information

Client: WOODARD + CURRAN
Address: 95 CEDAR ST, SUITE 100
PROVIDENCE, RI 02903
Phone: 401-273-1007
Fax: 401-273-5087
Email: grose@woodardcurran.com
☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 INDIA ST.
Project Location: PROVIDENCE
Project #: 0222610.01
Project Manager: GARRETT ROSE
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5/26/10 Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☒ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program: RI Criteria: RESIDENTIAL

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs - 8082 (Soxhlet extraction) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 7501.1 | SB-43A (0-3") | 5/18/10 | 1230 | S | GR | X | Do Not expect | 1 |
| 2 | SB-43A (0-3") DUP | 5/18/10 | 1230 | | | X | results to be | 1 |
| 3 | SB-45A (0-3") | 5/18/10 | 1215 | | | X | above 10 mg/kg | 1 |
| 4 | SB-79 (0-1') | 5/18/10 | 1155 | | | X | | 1 |
| 4S (MS) | SB-79 (0-1') MS | 5/18/10 | 1155 | | | X | | 1 |
| 4D | SB-79 (0-1') MSD | 5/18/10 | 1155 | | | X | | 1 |
| | ~~SB-79 (0-3")~~ | | | | | | | |
| 5.7 | SB-80 (0-1') | 5/19/10 | 1035 | | | X | | 1 |
| 6.8 | SB-81 (0-1') | 5/18/10 | 0930 | | | X | | 1 |
| 7.9 | SB-121 (0-1') | 5/19/10 | 1045 | | | X | | 1 |
| | | | | | Container Type | A | | |
| | | | | | Preservative | A | | |

SAMPLE HANDLING
Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/19/10 1530 | | 5/19/10 1530 |
| | 5/19/10 16:20 | | 5/19/10 4:20 |
| | 5/19 17:50 | | 5/19/10 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 2 OF 2


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


Date Rec'd in Lab: 5/19/10

ALPHA Job #: L1007501

## Client Information

Client: WOODARD + CURRAN
Address: 95 CEDAR ST, SUITE 100
PROVIDENCE, RI 02903
Phone: 401-273-1007
Fax: 401-273-5087
Email: GROSE@woodardcurran.com
☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 INDIA ST.
Project Location: PROVIDENCE
Project #: 0222610.01
Project Manager: GARRETT ROSE
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5/26/10 Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☒ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program: RI Criteria: RESIDENTIAL

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: RCRS-8082 (Soxhlet extraction)

SAMPLE HANDLING
Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 750180 | SB-122 (0-1') | 5/19/10 | 1020 | S | GR | X | Do Not anticipate | 1 |
| .9 H | SB-123 (0-1') | 5/19/10 | 1030 | | | X | results above | 1 |
| .10 I | SB-124 (0-1') | 5/19/10 | 1000 | | | X | 10 mg/kg | 1 |
| .11 J | SB-125 (0-1') | 5/19/10 | 1015 | | | X | | 1 |
| .12 K | SB-126 (0-1') | 5/18/10 | 1100 | | | X | | 1 |
| .13 L | SB-127 (0-1') | 5/18/10 | 1050 | | | X | | 1 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Container Type: A
Preservative: A

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 5/19/10 1530 | P. Gilbert | 5/19/10 1530 |
| Patrick M. Williams | 5/19/10 16:20 | Patrick M. Williams | 5/19/10 4:20 |
| | 5/19 17:50 | | 5/19/10 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1007503 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Phone: | (401) 273-1007 |
| Project Name: | 1 INDIA ST. |
| Project Number: | 0222610.01 |
| Report Date: | 06/04/10 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1007503-01 | SB-43A (3-6") | PROVIDENCE | 05/18/10 12:30 |
| L1007503-02 | SB-43A (6-9") | PROVIDENCE | 05/18/10 12:30 |
| L1007503-03 | SB-43A (9-12") | PROVIDENCE | 05/18/10 12:30 |
| L1007503-04 | SB-45A (3-6") | PROVIDENCE | 05/18/10 12:15 |
| L1007503-05 | SB-45A (6-9") | PROVIDENCE | 05/18/10 12:15 |
| L1007503-06 | SB-45A (9-12") | PROVIDENCE | 05/18/10 12:15 |
| L1007503-07 | SB-79 (1-2') | PROVIDENCE | 05/18/10 11:55 |
| L1007503-08 | SB-79 (0-3") | PROVIDENCE | 05/18/10 11:55 |
| L1007503-09 | SB-80 (1-2') | PROVIDENCE | 05/19/10 10:35 |
| L1007503-10 | SB-80 (0-3") | PROVIDENCE | 05/19/10 10:35 |
| L1007503-11 | SB-81 (1-2') | PROVIDENCE | 05/18/10 09:30 |
| L1007503-12 | SB-81 (0-3") | PROVIDENCE | 05/18/10 09:30 |
| L1007503-13 | SB-121 (1-2') | PROVIDENCE | 05/19/10 10:45 |
| L1007503-14 | SB-122 (1-2') | PROVIDENCE | 05/19/10 10:20 |
| L1007503-15 | SB-123 (1-2') | PROVIDENCE | 05/19/10 10:30 |
| L1007503-16 | SB-124 (1-2') | PROVIDENCE | 05/19/10 10:00 |
| L1007503-17 | SB-125 (1-2') | PROVIDENCE | 05/19/10 10:15 |
| L1007503-18 | SB-126 (1-2') | PROVIDENCE | 05/18/10 11:00 |
| L1007503-19 | SB-127 (1-2') | PROVIDENCE | 05/18/10 10:50 |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

Sample Receipt

At the client's request, the following samples were taken off hold and analyzed: L1007503-01 through -06, -09 through -13, -17 and -18.

PCB

L1007503-01, -04, -12 and -18 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1007503-02, -03 and -11 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples.

L1007503-10 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

**Project Name:** 1 INDIA ST. **Lab Number:** L1007503
**Project Number:** 0222610.01 **Report Date:** 06/04/10

**Case Narrative (continued)**

The surrogate recoveries for L1007503-01 through -04, -11 and -12 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analysis are reported.
The dual column RPD for L1007503-06 is above the acceptance criteria for Aroclor 1254; however, no obvious column interferences are present. The higher of the two results is reported and qualified with a "P".
The WG415309-2/-3 LCS/LCSD recoveries, associated with L1007503-13 and -17, were above the acceptance criteria for Aroclor 1016 (197%/151%); however, the associated samples were non-detect. The results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 06/04/10

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007503-01 | D | Date Collected: | 05/18/10 12:30 |
| Client ID: | SB-43A (3-6") | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/03/10 14:34 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 790 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 790 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 790 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 790 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 790 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 790 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 790 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007503

**Project Number:** 0222610.01 **Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007503-01 | D | Date Collected: | 05/18/10 12:30 |
| Client ID: | SB-43A (3-6") | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/03/10 14:34 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 4020 | | ug/kg | 790 | -- | 20 |
| Aroclor 1254 | 3020 | | ug/kg | 790 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007503-02 | D | Date Collected: | 05/18/10 12:30 |
| Client ID: | SB-43A (6-9") | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/03/10 14:46 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 961 | -- | 25 |
| Aroclor 1221 | ND | | ug/kg | 961 | -- | 25 |
| Aroclor 1232 | ND | | ug/kg | 961 | -- | 25 |
| Aroclor 1242 | ND | | ug/kg | 961 | -- | 25 |
| Aroclor 1260 | ND | | ug/kg | 961 | -- | 25 |
| Aroclor 1262 | ND | | ug/kg | 961 | -- | 25 |
| Aroclor 1268 | ND | | ug/kg | 961 | -- | 25 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007503

**Project Number:** 0222610.01 **Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007503-02 | D | Date Collected: | 05/18/10 12:30 |
| Client ID: | SB-43A (6-9") | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/03/10 14:46 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 6720 | | ug/kg | 961 | -- | 25 |
| Aroclor 1254 | 5590 | | ug/kg | 961 | -- | 25 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007503-03 | D | Date Collected: | 05/18/10 12:30 |
| Client ID: | SB-43A (9-12") | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/03/10 14:59 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1150 | -- | 30 |
| Aroclor 1221 | ND | | ug/kg | 1150 | -- | 30 |
| Aroclor 1232 | ND | | ug/kg | 1150 | -- | 30 |
| Aroclor 1242 | ND | | ug/kg | 1150 | -- | 30 |
| Aroclor 1260 | ND | | ug/kg | 1150 | -- | 30 |
| Aroclor 1262 | ND | | ug/kg | 1150 | -- | 30 |
| Aroclor 1268 | ND | | ug/kg | 1150 | -- | 30 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007503

**Project Number:** 0222610.01 **Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007503-03 | D | Date Collected: | 05/18/10 12:30 |
| Client ID: | SB-43A (9-12") | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/03/10 14:59 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 9000 | | ug/kg | 1150 | -- | 30 |
| Aroclor 1254 | 8630 | | ug/kg | 1150 | -- | 30 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007503-04 | D | Date Collected: | 05/18/10 12:15 |
| Client ID: | SB-45A (3-6") | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/03/10 15:11 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 786 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 786 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 786 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 786 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 786 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 786 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 786 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007503-04 | D | Date Collected: | 05/18/10 12:15 |
| Client ID: | SB-45A (3-6") | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/03/10 15:11 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 6320 | | ug/kg | 786 | -- | 20 |
| Aroclor 1254 | 5160 | | ug/kg | 786 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007503-05 | Date Collected: | 05/18/10 12:15 |
| Client ID: | SB-45A (6-9") | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/02/10 16:59 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 97 | | 30-150 | A |
| Decachlorobiphenyl | 69 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 103 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007503-05 | Date Collected: | 05/18/10 12:15 |
| Client ID: | SB-45A (6-9") | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/02/10 16:59 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 571 | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1254 | 496 | | ug/kg | 38.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 97 | | 30-150 | A |
| Decachlorobiphenyl | 69 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 103 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007503-06 | Date Collected: | 05/18/10 12:15 |
| Client ID: | SB-45A (9-12") | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/02/10 17:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 39 | | 30-150 | A |
| Decachlorobiphenyl | 64 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 130 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007503-06 | Date Collected: | 05/18/10 12:15 |
| Client ID: | SB-45A (9-12") | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/02/10 17:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 363 | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1254 | 315 | P | ug/kg | 36.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 39 | | 30-150 | A |
| Decachlorobiphenyl | 64 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 130 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007503-09 | Date Collected: | 05/19/10 10:35 |
| Client ID: | SB-80 (1-2') | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/02/10 17:24 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1248 | 43.8 | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | A |
| Decachlorobiphenyl | 77 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 116 | | 30-150 | B |
| Decachlorobiphenyl | 99 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007503-09 | Date Collected: | 05/19/10 10:35 |
| Client ID: | SB-80 (1-2') | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/02/10 17:24 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1254 | 42.5 | | ug/kg | 34.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | A |
| Decachlorobiphenyl | 77 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 116 | | 30-150 | B |
| Decachlorobiphenyl | 99 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007503-10 | Date Collected: | 05/19/10 10:35 |
| Client ID: | SB-80 (0-3") | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/02/10 17:36 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 1860 | | ug/kg | 120 | -- | 3 |
| Aroclor 1254 | 1860 | | ug/kg | 120 | -- | 3 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 85 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007503-10 | Date Collected: | 05/19/10 10:35 |
| Client ID: | SB-80 (0-3") | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/02/10 17:36 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 120 | -- | 3 |
| Aroclor 1221 | ND | | ug/kg | 120 | -- | 3 |
| Aroclor 1232 | ND | | ug/kg | 120 | -- | 3 |
| Aroclor 1242 | ND | | ug/kg | 120 | -- | 3 |
| Aroclor 1260 | ND | | ug/kg | 120 | -- | 3 |
| Aroclor 1262 | ND | | ug/kg | 120 | -- | 3 |
| Aroclor 1268 | ND | | ug/kg | 120 | -- | 3 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 85 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007503-11 | D | Date Collected: | 05/18/10 09:30 |
| Client ID: | SB-81 (1-2') | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/03/10 15:23 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 751 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 751 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 751 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 751 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 751 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 751 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 751 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007503

**Project Number:** 0222610.01 **Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007503-11 | D | Date Collected: | 05/18/10 09:30 |
| Client ID: | SB-81 (1-2') | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/03/10 15:23 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 3470 | | ug/kg | 751 | -- | 5 |
| Aroclor 1254 | 4410 | | ug/kg | 751 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007503

**Project Number:** 0222610.01 **Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007503-12 | D | Date Collected: | 05/18/10 09:30 |
| Client ID: | SB-81 (0-3") | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/03/10 15:35 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 4690 | | ug/kg | 726 | -- | 20 |
| Aroclor 1254 | 3460 | | ug/kg | 726 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007503-12 | D | Date Collected: | 05/18/10 09:30 |
| Client ID: | SB-81 (0-3") | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/30/10 17:16 |
| Analytical Date: | 06/03/10 15:35 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 726 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 726 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 726 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 726 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 726 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 726 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 726 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007503-13 | Date Collected: | 05/19/10 10:45 |
| Client ID: | SB-121 (1-2') | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 11:55 |
| Analytical Date: | 06/01/10 16:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | A |
| Decachlorobiphenyl | 95 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | B |
| Decachlorobiphenyl | 88 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007503-17 | Date Collected: | 05/19/10 10:15 |
| Client ID: | SB-125 (1-2') | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 11:55 |
| Analytical Date: | 06/01/10 16:56 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | A |
| Decachlorobiphenyl | 97 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 86 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007503-18 | D | Date Collected: | 05/18/10 11:00 |
| Client ID: | SB-126 (1-2') | | Date Received: | 05/19/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/01/10 15:42 |
| Analytical Date: | 06/04/10 10:52 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1248 | 613 | | ug/kg | 184 | -- | 5 |
| Aroclor 1254 | 634 | | ug/kg | 184 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 184 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 50 | | 30-150 | A |
| Decachlorobiphenyl | 90 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 50 | | 30-150 | B |
| Decachlorobiphenyl | 65 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/01/10 14:06
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 05/29/10 11:55
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/01/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/01/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 13,17 Batch: WG415309-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | A |
| Decachlorobiphenyl | 91 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 | B |
| Decachlorobiphenyl | 51 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/02/10 15:33
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 05/30/10 17:16
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/02/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/02/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-06,09-12 Batch: WG415323-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 73 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 131 | | 30-150 | B |
| Decachlorobiphenyl | 106 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/03/10 18:40
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 06/01/10 15:42
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/02/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/02/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 18 Batch: WG415489-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 31.8 | -- |
| Aroclor 1221 | ND | | ug/kg | 31.8 | -- |
| Aroclor 1232 | ND | | ug/kg | 31.8 | -- |
| Aroclor 1242 | ND | | ug/kg | 31.8 | -- |
| Aroclor 1248 | ND | | ug/kg | 31.8 | -- |
| Aroclor 1254 | ND | | ug/kg | 31.8 | -- |
| Aroclor 1260 | ND | | ug/kg | 31.8 | -- |
| Aroclor 1262 | ND | | ug/kg | 31.8 | -- |
| Aroclor 1268 | ND | | ug/kg | 31.8 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | A |
| Decachlorobiphenyl | 91 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | B |
| Decachlorobiphenyl | 80 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.

**Project Number:** 0222610.01

**Lab Number:** L1007503

**Report Date:** 06/04/10

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 13,17 Batch: WG415309-2 WG415309-3 | | | | | | | | |
| Aroclor 1016 | **197** | Q | **151** | Q | 40-140 | 26 | | 50 |
| Aroclor 1260 | 121 | | 79 | | 40-140 | 42 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 118 | | 63 | | 30-150 | A |
| Decachlorobiphenyl | 141 | | 91 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 147 | | 133 | | 30-150 | B |
| Decachlorobiphenyl | 135 | | 95 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-06,09-12 Batch: WG415323-2 WG415323-3 | | | | | | | | |
| Aroclor 1016 | 127 | | 115 | | 40-140 | 10 | | 50 |
| Aroclor 1260 | 115 | | 108 | | 40-140 | 6 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 75 | | 30-150 | A |
| Decachlorobiphenyl | 111 | | 100 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 60 | | 30-150 | B |
| Decachlorobiphenyl | 71 | | 64 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.

**Project Number:** 0222610.01

**Lab Number:** L1007503

**Report Date:** 06/04/10

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 18 Batch: WG415489-2 WG415489-3 | | | | | | | | |
| Aroclor 1016 | 117 | | 136 | | 40-140 | 15 | | 50 |
| Aroclor 1260 | 116 | | 125 | | 40-140 | 7 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 107 | | 30-150 | A |
| Decachlorobiphenyl | 103 | | 116 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 91 | | 30-150 | B |
| Decachlorobiphenyl | 73 | | 88 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007503-01
Client ID: SB-43A (3-6")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 12:30
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 05/28/10 15:55 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007503-02
Client ID: SB-43A (6-9")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 12:30
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 05/28/10 15:55 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007503-03
Client ID: SB-43A (9-12")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 12:30
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 05/28/10 15:55 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007503-04
Client ID: SB-45A (3-6")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 12:15
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 05/28/10 15:55 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007503-05
Client ID: SB-45A (6-9")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 12:15
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 05/28/10 15:55 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007503-06
Client ID: SB-45A (9-12")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 12:15
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 05/28/10 15:55 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007503-09
Client ID: SB-80 (1-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 10:35
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 05/28/10 15:55 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007503-10
Client ID: SB-80 (0-3")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 10:35
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 05/28/10 15:55 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007503-11
Client ID: SB-81 (1-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 09:30
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 05/28/10 15:55 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007503-12
Client ID: SB-81 (0-3")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 09:30
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 05/28/10 15:55 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007503-13
Client ID: SB-121 (1-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 10:45
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 05/28/10 15:55 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007503-17
Client ID: SB-125 (1-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 10:15
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 05/28/10 15:55 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007503-18
Client ID: SB-126 (1-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 11:00
Date Received: 05/19/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 05/28/10 15:55 | 30,2540G | AC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-06,09-13,17-18 QC Batch ID: WG415189-1 QC Sample: L1007503-01 Client ID: SB-43A (3-6") | | | | | | |
| Solids, Total | 87 | 86 | % | 1 | | 20 |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007503
**Report Date:** 06/04/10

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007503-01A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082() |
| L1007503-02A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082() |
| L1007503-03A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082() |
| L1007503-04A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082() |
| L1007503-05A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082() |
| L1007503-06A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082() |
| L1007503-07A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1007503-08A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1007503-09A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082() |
| L1007503-10A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082() |
| L1007503-11A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082() |
| L1007503-12A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082() |
| L1007503-13A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082() |
| L1007503-14A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1007503-15A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1007503-16A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1007503-17A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082() |
| L1007503-18A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082() |
| L1007503-19A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L1007503 |
| **Project Number:** | 0222610.01 | **Report Date:** | 06/04/10 |

## GLOSSARY

### *Acronyms*

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L1007503 |
| **Project Number:** | 0222610.01 | **Report Date:** | 06/04/10 |

***Data Qualifiers***

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L1007503 |
| **Project Number:** | 0222610.01 | **Report Date:** | 06/04/10 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised May 19, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

**Analytes Not Accredited by NELAP**
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

# CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 5/19/10

ALPHA Job #: L1007503


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


## Client Information

Client: WOODARD + CURRAN

Address: 95 CEDAR ST

PROVIDENCE, RI 02903

Phone: 401-273-1007

Fax: 401-273-5087

Email: GROSE@woodardcurran.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 INDIA ST

Project Location: PROVIDENCE

Project #: 0222610.01

Project Manager: GARRETT ROSE

ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5/26/10 Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

## Billing Information

☒ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program: RI Criteria: RESIDENTIAL

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

## Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples).

ANALYSIS: PCBs - HOLD

**SAMPLE HANDLING**

*Filtration*
☐ Done ☐ Not needed ☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs - HOLD | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 7503.1 | SB-43A (3-6") | 5/18/10 | 1230 | S | GR | X | Please hold all | 1 |
| 2 | SB-43A (6-9") | 5/18/10 | 1230 | | | X | samples until | 1 |
| 3 | SB-43A (9-12") | 5/18/10 | 1230 | | | X | instructed by | 1 |
| 4 | SB-45A (3-6") | 5/18/10 | 1215 | | | X | W&C | 1 |
| 5 | SB-45A (6-9") | 5/18/10 | 1215 | | | X | | 1 |
| 6 | SB-45A (9-12") | 5/18/10 | 1215 | | | X | | 1 |
| 7 | SB-79 (1-2') | 5/18/10 | 1155 | | | X | | 1 |
| 8 | SB-79 (0-3") | 5/18/10 | 1155 | | | X | | 1 |
| 9 | SB-80 (1-2') | 5/19/10 | 1035 | | | X | | 1 |
| 10 | SB-80 (0-3") | 5/19/10 | ↓ | ↓ | ↓ | X | ↓ | 1 |
| | | | | | Container Type | D | | |
| | | | | | Preservative | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 5/19/10 15:30 | P. Gilbert | 5/19/10 15:30 |
| Patricia M. Williams | 5/19/10 16:20 | Patricia M. Williams | 5/19/10 4:50 |
| | 5/19 17:50 | | 5/19/10 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 5/19/10

ALPHA Job #: 4007503

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: WOODARD + CURRAN
Address: 95 CEDAR ST, SUITE 100
PROVIDENCE, RI 02903
Phone: 401-273-1007
Fax: 401-273-5087
Email: GROSE@woodardcurran.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 INDIA ST
Project Location: PROVIDENCE
Project #: 0222610.01
Project Manager: GARRETT ROSE
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5/26/10 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☒ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RI Criteria RESIDENTIAL

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS PCBS - HOLD | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 7503.11 | SB-81 (1-2') | 5/18/10 | 0930 | S | GR | X | Please hold all | 1 |
| 12 | SB-81 (0-3") | 5/18/10 | 0930 | ↓ | ↓ | X | samples until | 1 |
| 13 | SB-121 (1-2') | 5/19/10 | 1045 | ↓ | ↓ | X | instructed by w&C | 1 |
| 14 | SB-122 (1-2') | 5/19/10 | 1020 | ↓ | ↓ | X | ↓ | 1 |
| 15 | SB-123 (1-2') | 5/19/10 | 1030 | ↓ | ↓ | X | ↓ | 1 |
| 16 | SB-124 (1-2') | 5/19/10 | 1000 | ↓ | ↓ | X | ↓ | 1 |
| 17 | SB-125 (1-2') | 5/19/10 | 1015 | ↓ | ↓ | X | ↓ | 1 |
| 18 | SB-126 (1-2') | 5/18/10 | 1100 | ↓ | ↓ | X | ↓ | 1 |
| 19 | SB-127 (1-2') | 5/18/10 | 1050 | ↓ | ↓ | X | ↓ | 1 |

| | |
|---|---|
| Container Type | A |
| Preservative | A |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 5/19/10 1530 | P. Gilbert | 5/19/10 15:30 |
| P. Gilbert | 5/19/10 16:20 | Patrick M. Williams | 5/19/10 9:20 |
| Patrick M. Williams | 5/19 17:50 | [signature] | 5/19/10 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1007677 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Phone: | (401) 273-1007 |
| Project Name: | 1 INDIA ST. |
| Project Number: | 0222610.01 |
| Report Date: | 05/28/10 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1007677-01 | SB-25A (0"-3") | PROVIDENCE | 05/18/10 13:00 |
| L1007677-02 | SB-49A (0"-3") | PROVIDENCE | 05/18/10 14:00 |
| L1007677-03 | SB-49A (3"-6") | PROVIDENCE | 05/18/10 14:00 |
| L1007677-04 | SB-49A (3"-6") DUP | PROVIDENCE | 05/18/10 14:00 |
| L1007677-05 | SB-52A (0"-3") | PROVIDENCE | 05/18/10 14:50 |
| L1007677-06 | SB-52A (3"-6") | PROVIDENCE | 05/18/10 14:50 |
| L1007677-07 | SB-54A (0"-3") | PROVIDENCE | 05/18/10 15:15 |
| L1007677-08 | SB-54A (3"-6") | PROVIDENCE | 05/18/10 15:15 |
| L1007677-09 | SB-60A (0"-3") | PROVIDENCE | 05/18/10 15:30 |
| L1007677-10 | SB-60A (3"-6") | PROVIDENCE | 05/18/10 15:30 |
| L1007677-11 | SB-82 (0"-3") | PROVIDENCE | 05/18/10 09:15 |
| L1007677-12 | SB-83 (0"-3") | PROVIDENCE | 05/18/10 09:00 |
| L1007677-13 | SB-84 (0'-1') | PROVIDENCE | 05/19/10 13:55 |
| L1007677-14 | SB-84 (1'-2') | PROVIDENCE | 05/19/10 13:55 |
| L1007677-15 | SB-85 (0'-1') | PROVIDENCE | 05/19/10 14:05 |
| L1007677-16 | SB-85 (1'-2') | PROVIDENCE | 05/19/10 14:05 |
| L1007677-17 | SB-86 (0'-1') | PROVIDENCE | 05/19/10 14:15 |
| L1007677-18 | SB-86 (1'-2') | PROVIDENCE | 05/19/10 14:15 |
| L1007677-19 | SB-87 (0'-1') | PROVIDENCE | 05/19/10 14:25 |
| L1007677-20 | SB-87 (1'-2') | PROVIDENCE | 05/19/10 14:25 |
| L1007677-21 | SB-87 (1'-2') DUP | PROVIDENCE | 05/19/10 14:25 |
| L1007677-22 | SB-88 (0'-1') | PROVIDENCE | 05/19/10 13:10 |
| L1007677-23 | SB-88 (1'-2') | PROVIDENCE | 05/19/10 13:10 |
| L1007677-24 | SB-89 (0'-1') | PROVIDENCE | 05/19/10 13:20 |
| L1007677-25 | SB-89 (1'-2') | PROVIDENCE | 05/19/10 13:20 |
| L1007677-26 | SB-90 (0'-1') | PROVIDENCE | 05/19/10 13:35 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L1007677 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/28/10 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L1007677-02, -03, -05, -07, -08, -13 through -18 and -21 through -24 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1007677-04, -06, -09, -10, -19, -20, -25 and -26 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L1007677-02 through -10 and -13 through -26 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (All at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analysis are reported.

The dual column RPD for L1007677-11 and -23 is above the acceptance criteria for Aroclor 1254; however, no obvious column interferences are present. The higher of the two results is reported and qualified with a "P".

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L1007677 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/28/10 |

**Case Narrative (continued)**

The WG414362-4/-5 MS/MSD, performed on L1007677-06, and the WG414373-4/-5 MS/MSD, performed on L1007677-17, were not analyzed because the dilutions required by the elevated concentrations of target compounds present in the samples to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 05/28/10

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007677-01 | Date Collected: | 05/18/10 13:00 |
| Client ID: | SB-25A (0"-3") | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/28/10 08:42 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 69.4 | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1254 | 170 | | ug/kg | 34.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 | A |
| Decachlorobiphenyl | 93 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | B |
| Decachlorobiphenyl | 81 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007677-01 | Date Collected: | 05/18/10 13:00 |
| Client ID: | SB-25A (0"-3") | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/28/10 08:42 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 | A |
| Decachlorobiphenyl | 93 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | B |
| Decachlorobiphenyl | 81 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-02 | D | Date Collected: | 05/18/10 14:00 |
| Client ID: | SB-49A (0"-3") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 17:14 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 41500 | | ug/kg | 3720 | -- | 100 |
| Aroclor 1254 | 37000 | | ug/kg | 3720 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-02 | D | Date Collected: | 05/18/10 14:00 |
| Client ID: | SB-49A (0"-3") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 17:14 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3720 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3720 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3720 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3720 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3720 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3720 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3720 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-03 | D | Date Collected: | 05/18/10 14:00 |
| Client ID: | SB-49A (3"-6") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 17:26 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3880 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3880 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3880 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3880 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3880 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3880 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3880 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-03 | D | Date Collected: | 05/18/10 14:00 |
| Client ID: | SB-49A (3"-6") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 17:26 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 38900 | | ug/kg | 3880 | -- | 100 |
| Aroclor 1254 | 23800 | | ug/kg | 3880 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007677-04 D | Date Collected: | 05/18/10 14:00 |
| Client ID: | SB-49A (3"-6") DUP | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 17:01 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1254 | 42900 | | ug/kg | 11800 | -- | 300 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007677-04 D | Date Collected: | 05/18/10 14:00 |
| Client ID: | SB-49A (3"-6") DUP | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 17:01 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 11800 | -- | 300 |
| Aroclor 1221 | ND | | ug/kg | 11800 | -- | 300 |
| Aroclor 1232 | ND | | ug/kg | 11800 | -- | 300 |
| Aroclor 1242 | ND | | ug/kg | 11800 | -- | 300 |
| Aroclor 1248 | 66100 | | ug/kg | 11800 | -- | 300 |
| Aroclor 1260 | ND | | ug/kg | 11800 | -- | 300 |
| Aroclor 1262 | ND | | ug/kg | 11800 | -- | 300 |
| Aroclor 1268 | ND | | ug/kg | 11800 | -- | 300 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-05 | D | Date Collected: | 05/18/10 14:50 |
| Client ID: | SB-52A (0"-3") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 18:03 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 9890 | | ug/kg | 1920 | -- | 50 |
| Aroclor 1254 | 7290 | | ug/kg | 1920 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-05 | D | Date Collected: | 05/18/10 14:50 |
| Client ID: | SB-52A (0"-3") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 18:03 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1920 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1920 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1920 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1920 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1920 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1920 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1920 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-06 | D | Date Collected: | 05/18/10 14:50 |
| Client ID: | SB-52A (3"-6") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 17:38 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 125000 | | ug/kg | 11100 | -- | 300 |
| Aroclor 1254 | 57700 | | ug/kg | 11100 | -- | 300 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-06 | D | Date Collected: | 05/18/10 14:50 |
| Client ID: | SB-52A (3"-6") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 17:38 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 11100 | -- | 300 |
| Aroclor 1221 | ND | | ug/kg | 11100 | -- | 300 |
| Aroclor 1232 | ND | | ug/kg | 11100 | -- | 300 |
| Aroclor 1242 | ND | | ug/kg | 11100 | -- | 300 |
| Aroclor 1260 | ND | | ug/kg | 11100 | -- | 300 |
| Aroclor 1262 | ND | | ug/kg | 11100 | -- | 300 |
| Aroclor 1268 | ND | | ug/kg | 11100 | -- | 300 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-07 | D | Date Collected: | 05/18/10 15:15 |
| Client ID: | SB-54A (0"-3") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 16:25 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 41600 | | ug/kg | 7490 | -- | 200 |
| Aroclor 1254 | 23600 | | ug/kg | 7490 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-07 | D | Date Collected: | 05/18/10 15:15 |
| Client ID: | SB-54A (0"-3") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 16:25 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7490 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7490 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7490 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7490 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7490 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7490 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7490 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-08 | D | Date Collected: | 05/18/10 15:15 |
| Client ID: | SB-54A (3"-6") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 16:37 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 81700 | | ug/kg | 7780 | -- | 200 |
| Aroclor 1254 | 48500 | | ug/kg | 7780 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-08 | D | Date Collected: | 05/18/10 15:15 |
| Client ID: | SB-54A (3"-6") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 16:37 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7780 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7780 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7780 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7780 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7780 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7780 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7780 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-09 | D | Date Collected: | 05/18/10 15:30 |
| Client ID: | SB-60A (0"-3") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 15:48 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 15400 | -- | 400 |
| Aroclor 1221 | ND | | ug/kg | 15400 | -- | 400 |
| Aroclor 1232 | ND | | ug/kg | 15400 | -- | 400 |
| Aroclor 1242 | ND | | ug/kg | 15400 | -- | 400 |
| Aroclor 1260 | ND | | ug/kg | 15400 | -- | 400 |
| Aroclor 1262 | ND | | ug/kg | 15400 | -- | 400 |
| Aroclor 1268 | ND | | ug/kg | 15400 | -- | 400 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-09 | D | Date Collected: | 05/18/10 15:30 |
| Client ID: | SB-60A (0"-3") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 15:48 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 73400 | | ug/kg | 15400 | -- | 400 |
| Aroclor 1254 | 48500 | | ug/kg | 15400 | -- | 400 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-10 | D | Date Collected: | 05/18/10 15:30 |
| Client ID: | SB-60A (3"-6") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 16:00 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 15000 | -- | 400 |
| Aroclor 1221 | ND | | ug/kg | 15000 | -- | 400 |
| Aroclor 1232 | ND | | ug/kg | 15000 | -- | 400 |
| Aroclor 1242 | ND | | ug/kg | 15000 | -- | 400 |
| Aroclor 1260 | ND | | ug/kg | 15000 | -- | 400 |
| Aroclor 1262 | ND | | ug/kg | 15000 | -- | 400 |
| Aroclor 1268 | ND | | ug/kg | 15000 | -- | 400 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-10 | D | Date Collected: | 05/18/10 15:30 |
| Client ID: | SB-60A (3"-6") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 16:00 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 109000 | | ug/kg | 15000 | -- | 400 |
| Aroclor 1254 | 73400 | | ug/kg | 15000 | -- | 400 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007677-11 | Date Collected: | 05/18/10 09:15 |
| Client ID: | SB-82 (0"-3") | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/28/10 08:54 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 | A |
| Decachlorobiphenyl | 82 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 72 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007677-11 | Date Collected: | 05/18/10 09:15 |
| Client ID: | SB-82 (0"-3") | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/28/10 08:54 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1221 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1254 | 42.0 | P | ug/kg | 35.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 | A |
| Decachlorobiphenyl | 82 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 72 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007677-12 | Date Collected: | 05/18/10 09:00 |
| Client ID: | SB-83 (0"-3") | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/28/10 09:06 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 97.9 | | ug/kg | 36.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | A |
| Decachlorobiphenyl | 87 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 | B |
| Decachlorobiphenyl | 73 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007677-12 | Date Collected: | 05/18/10 09:00 |
| Client ID: | SB-83 (0"-3") | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/28/10 09:06 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1254 | 98.1 | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | A |
| Decachlorobiphenyl | 87 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 | B |
| Decachlorobiphenyl | 73 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-13 | D | Date Collected: | 05/19/10 13:55 |
| Client ID: | SB-84 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 15:36 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 19200 | -- | 500 |
| Aroclor 1221 | ND | | ug/kg | 19200 | -- | 500 |
| Aroclor 1232 | ND | | ug/kg | 19200 | -- | 500 |
| Aroclor 1242 | ND | | ug/kg | 19200 | -- | 500 |
| Aroclor 1260 | ND | | ug/kg | 19200 | -- | 500 |
| Aroclor 1262 | ND | | ug/kg | 19200 | -- | 500 |
| Aroclor 1268 | ND | | ug/kg | 19200 | -- | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-13 | D | Date Collected: | 05/19/10 13:55 |
| Client ID: | SB-84 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 15:36 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 213000 | | ug/kg | 19200 | -- | 500 |
| Aroclor 1254 | 91000 | | ug/kg | 19200 | -- | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-14 | D | Date Collected: | 05/19/10 13:55 |
| Client ID: | SB-84 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 16:12 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7540 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7540 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7540 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7540 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7540 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7540 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7540 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-14 | D | Date Collected: | 05/19/10 13:55 |
| Client ID: | SB-84 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 16:12 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 80800 | | ug/kg | 7540 | -- | 200 |
| Aroclor 1254 | 34300 | | ug/kg | 7540 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-15 | D | Date Collected: | 05/19/10 14:05 |
| Client ID: | SB-85 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 16:49 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7670 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7670 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7670 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7670 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7670 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7670 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7670 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-15 | D | Date Collected: | 05/19/10 14:05 |
| Client ID: | SB-85 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 16:49 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 79900 | | ug/kg | 7670 | -- | 200 |
| Aroclor 1254 | 50400 | | ug/kg | 7670 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-16 | D | Date Collected: | 05/19/10 14:05 |
| Client ID: | SB-85 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/28/10 10:02 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 69300 | | ug/kg | 19400 | -- | 500 |
| Aroclor 1254 | 30100 | | ug/kg | 19400 | -- | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-16 | D | Date Collected: | 05/19/10 14:05 |
| Client ID: | SB-85 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/28/10 10:02 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 19400 | -- | 500 |
| Aroclor 1221 | ND | | ug/kg | 19400 | -- | 500 |
| Aroclor 1232 | ND | | ug/kg | 19400 | -- | 500 |
| Aroclor 1242 | ND | | ug/kg | 19400 | -- | 500 |
| Aroclor 1260 | ND | | ug/kg | 19400 | -- | 500 |
| Aroclor 1262 | ND | | ug/kg | 19400 | -- | 500 |
| Aroclor 1268 | ND | | ug/kg | 19400 | -- | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-17 | D | Date Collected: | 05/19/10 14:15 |
| Client ID: | SB-86 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 15:30 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 80% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 8170 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 8170 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 8170 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 8170 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 8170 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 8170 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 8170 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-17 | D | Date Collected: | 05/19/10 14:15 |
| Client ID: | SB-86 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 15:30 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 80% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 56900 | | ug/kg | 8170 | -- | 200 |
| Aroclor 1254 | 31900 | | ug/kg | 8170 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-18 | D | Date Collected: | 05/19/10 14:15 |
| Client ID: | SB-86 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/28/10 08:18 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 372 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 372 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 372 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 372 | -- | 10 |
| Aroclor 1248 | 1730 | | ug/kg | 372 | -- | 10 |
| Aroclor 1254 | 1050 | | ug/kg | 372 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 372 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 372 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 372 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-19 | D | Date Collected: | 05/19/10 14:25 |
| Client ID: | SB-87 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 18:15 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 17600 | | ug/kg | 1440 | -- | 40 |
| Aroclor 1254 | 14800 | | ug/kg | 1440 | -- | 40 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-19 | D | Date Collected: | 05/19/10 14:25 |
| Client ID: | SB-87 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 18:15 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1440 | -- | 40 |
| Aroclor 1221 | ND | | ug/kg | 1440 | -- | 40 |
| Aroclor 1232 | ND | | ug/kg | 1440 | -- | 40 |
| Aroclor 1242 | ND | | ug/kg | 1440 | -- | 40 |
| Aroclor 1260 | ND | | ug/kg | 1440 | -- | 40 |
| Aroclor 1262 | ND | | ug/kg | 1440 | -- | 40 |
| Aroclor 1268 | ND | | ug/kg | 1440 | -- | 40 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-20 | D | Date Collected: | 05/19/10 14:25 |
| Client ID: | SB-87 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 18:27 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 80% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 807 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 807 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 807 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 807 | -- | 20 |
| Aroclor 1248 | 6790 | | ug/kg | 807 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 807 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 807 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 807 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-20 | D | Date Collected: | 05/19/10 14:25 |
| Client ID: | SB-87 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/27/10 18:27 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 80% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 5860 | | ug/kg | 807 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-21 | D | Date Collected: | 05/19/10 14:25 |
| Client ID: | SB-87 (1'-2') DUP | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/28/10 08:30 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 2500 | | ug/kg | 375 | -- | 10 |
| Aroclor 1254 | 1930 | | ug/kg | 375 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-21 | D | Date Collected: | 05/19/10 14:25 |
| Client ID: | SB-87 (1'-2') DUP | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 18:45 |
| Analytical Date: | 05/28/10 08:30 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 375 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 375 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 375 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 375 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 375 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 375 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 375 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-22 | D | Date Collected: | 05/19/10 13:10 |
| Client ID: | SB-88 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 15:42 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 82% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 4040 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 4040 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 4040 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 4040 | -- | 100 |
| Aroclor 1248 | 7250 | | ug/kg | 4040 | -- | 100 |
| Aroclor 1254 | ND | | ug/kg | 4040 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 4040 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 4040 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 4040 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-23 | D | Date Collected: | 05/19/10 13:10 |
| Client ID: | SB-88 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 15:54 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 747 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 747 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 747 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 747 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 747 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 747 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 747 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-23 | D | Date Collected: | 05/19/10 13:10 |
| Client ID: | SB-88 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 15:54 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 4200 | | ug/kg | 747 | -- | 20 |
| Aroclor 1254 | 2930 | P | ug/kg | 747 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-24 | D | Date Collected: | 05/19/10 13:20 |
| Client ID: | SB-89 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 16:06 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 81% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 8130 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 8130 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 8130 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 8130 | -- | 200 |
| Aroclor 1254 | 17500 | | ug/kg | 8130 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 8130 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 8130 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 8130 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-24 | D | Date Collected: | 05/19/10 13:20 |
| Client ID: | SB-89 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 16:06 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 81% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 32200 | | ug/kg | 8130 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-25 | D | Date Collected: | 05/19/10 13:20 |
| Client ID: | SB-89 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 16:19 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 75% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 26200 | -- | 600 |
| Aroclor 1221 | ND | | ug/kg | 26200 | -- | 600 |
| Aroclor 1232 | ND | | ug/kg | 26200 | -- | 600 |
| Aroclor 1242 | ND | | ug/kg | 26200 | -- | 600 |
| Aroclor 1260 | ND | | ug/kg | 26200 | -- | 600 |
| Aroclor 1262 | ND | | ug/kg | 26200 | -- | 600 |
| Aroclor 1268 | ND | | ug/kg | 26200 | -- | 600 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-25 | D | Date Collected: | 05/19/10 13:20 |
| Client ID: | SB-89 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 16:19 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 75% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 84700 | | ug/kg | 26200 | -- | 600 |
| Aroclor 1254 | 48000 | | ug/kg | 26200 | -- | 600 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-26 | D | Date Collected: | 05/19/10 13:35 |
| Client ID: | SB-90 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 16:31 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 5160 | | ug/kg | 1850 | -- | 50 |
| Aroclor 1254 | 3870 | | ug/kg | 1850 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007677

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007677-26 | D | Date Collected: | 05/19/10 13:35 |
| Client ID: | SB-90 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 16:31 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1850 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1850 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1850 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1850 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1850 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1850 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1850 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/28/10 03:04
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 05/24/10 18:45
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/26/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/26/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-16,18-21 Batch: WG414362-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 107 | | 30-150 | A |
| Decachlorobiphenyl | 135 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/26/10 17:46
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 05/24/10 22:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/26/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/26/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 17,22-26 Batch: WG414373-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | A |
| Decachlorobiphenyl | 100 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 105 | | 30-150 | B |
| Decachlorobiphenyl | 99 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-16,18-21 Batch: WG414362-2 WG414362-3 | | | | | | | | |
| Aroclor 1016 | 134 | | 136 | | 40-140 | 35 | | 50 |
| Aroclor 1260 | 139 | | 140 | | 40-140 | 35 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 109 | | 106 | | 30-150 | A |
| Decachlorobiphenyl | 143 | | 137 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 76 | | 30-150 | B |
| Decachlorobiphenyl | 90 | | 83 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 17,22-26 Batch: WG414373-2 WG414373-3 | | | | | | | | |
| Aroclor 1016 | 114 | | 99 | | 40-140 | 14 | | 50 |
| Aroclor 1260 | 109 | | 103 | | 40-140 | 6 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 89 | | 30-150 | A |
| Decachlorobiphenyl | 102 | | 101 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 114 | | 110 | | 30-150 | B |
| Decachlorobiphenyl | 109 | | 103 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-01
Client ID: SB-25A (0"-3")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 13:00
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-02
Client ID: SB-49A (0"-3")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 14:00
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-03
Client ID: SB-49A (3"-6")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 14:00
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-04
Client ID: SB-49A (3"-6") DUP
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 14:00
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-05
Client ID: SB-52A (0"-3")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 14:50
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-06
Client ID: SB-52A (3"-6")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 14:50
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-07
Client ID: SB-54A (0"-3")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 15:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-08
Client ID: SB-54A (3"-6")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 15:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-09
Client ID: SB-60A (0"-3")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 15:30
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-10
Client ID: SB-60A (3"-6")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 15:30
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-11
Client ID: SB-82 (0"-3")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 09:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-12
Client ID: SB-83 (0"-3")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 09:00
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-13
Client ID: SB-84 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 13:55
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-14
Client ID: SB-84 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 13:55
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-15
Client ID: SB-85 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 14:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-16
Client ID: SB-85 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 14:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-17
Client ID: SB-86 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 14:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 80 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-18
Client ID: SB-86 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 14:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-19
Client ID: SB-87 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 14:25
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-20
Client ID: SB-87 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 14:25
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 80 | | % | 0.10 | NA | 1 | - | 05/25/10 16:12 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-21
Client ID: SB-87 (1'-2') DUP
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 14:25
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/25/10 15:38 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-22
Client ID: SB-88 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 13:10
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | NA | 1 | - | 05/25/10 15:38 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-23
Client ID: SB-88 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 13:10
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/25/10 15:38 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-24
Client ID: SB-89 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 13:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 81 | | % | 0.10 | NA | 1 | - | 05/25/10 15:38 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-25
Client ID: SB-89 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 13:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 75 | | % | 0.10 | NA | 1 | - | 05/25/10 15:38 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007677-26
Client ID: SB-90 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 13:35
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 05/25/10 15:38 | 30,2540G | AC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 21-26 QC Batch ID: WG414528-1 QC Sample: L1007217-14 Client ID: DUP Sample | | | | | | |
| Solids, Total | 77 | 78 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG414538-1 QC Sample: L1007677-12 Client ID: SB-83 (0"-3") | | | | | | |
| Solids, Total | 92 | 92 | % | 0 | | 20 |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007677-01A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-02A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-03A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-04A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-05A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-06A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-06B | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-06C | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-07A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-08A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-09A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-10A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-11A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-12A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-13A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-14A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-15A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-16A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-17A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-17B | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-17C | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-18A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-19A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-20A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-21A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-22A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-23A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |

*Values in parentheses indicate holding time in days

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007677
**Report Date:** 05/28/10

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007677-24A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-25A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007677-26A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L1007677 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/28/10 |

## GLOSSARY

***Acronyms***

EPA · Environmental Protection Agency.

LCS · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD · Laboratory Control Sample Duplicate: Refer to LCS.

MDL · Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD · Matrix Spike Sample Duplicate: Refer to MS.

NA · Not Applicable.

NC · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI · Not Ignitable.

RL · Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L1007677 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/28/10 |

***Data Qualifiers***

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L1007677 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/28/10 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised May 19, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

**Analytes Not Accredited by NELAP**
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

# CHAIN OF CUSTODY

PAGE 1 OF 17

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1067672

## Client Information

Client: WOODARD + CURRAN
Address: 95 CEDAR ST
PROVIDENCE, RI 02903
Phone: 401-273-1007
Fax: 401-273-5087
Email: GROSE@woodardcurran.com
☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 INDIA ST
Project Location: PROVIDENCE
Project #: 022610.01
Project Manager: GARRETT ROSE
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5/28/10 Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☒ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program: RI/EPA Criteria: RESIDENTIAL (DLs below 1mg/kg)

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

Please get DL's below 1mg/kg; MS/MSDs included in SDGs

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs - 8082 (Soxhlet Extraction) | SAMPLE HANDLING | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|
| 67671 | 1 SB-25A (0"-3") | 5/18/10 | 1300 | S | GR | X | | Results exp ≈ 5mg/kg ≈ 50mg/kg | 1 |
| | 2 SB-49A (0"-3") | | 1400 | | | X | | | 1 |
| | 3 SB-49A (3"-6") | | 1400 | | | X | | | 1 |
| | 4 SB-49A (3"-6") DUP | | 1400 | | | X | | | 1 |
| | 5 SB-52A (0"-3") | | 1450 | | | X | | | 1 |
| | 6 SB-52A (3"-6") | | 1450 | | | X | | | 1 |
| | 6 SB-52A (3"-6") MS | | 1450 | | | X | | | 1 |
| | 6 SB-52A (3"-6") MSD | | 1450 | | | X | | | 1 |
| | 7 SB-54A (0"-3") | | 1515 | | | X | | | 1 |
| | 8 SB-54A (3"-6") | | 1515 | | | X | | | 1 |

Container Type: A
Preservative: A

SAMPLE HANDLING
Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1600 | | 5/21/10 |
| | 5/21/10 | | 5/21/10 17:35 |
| | 5/21/10 1955 | | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 2 OF 17

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007677

## Client Information

Client: WOODARD + CURRAN
Address: 95 CEDAR ST
PROVIDENCE, RI 02903
Phone: 401-273-1007
Fax: 401-273-5087
Email: GROSE@woodardcurran.com
☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 INDIA ST
Project Location: PROVIDENCE
Project #: 0222610.01
Project Manager: GARRETT ROSE
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5/28/10 Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☒ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program: RI/EPA Criteria: RESIDENTIAL

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

below 1 mg/kg

ANALYSIS: PCBs - 8082 (Soxhlet extraction)

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07677-9 | SB-60A (0"-3") | 5/18/10 | 1530 | S | GR | X | Results Expected | 1 |
| 10 | SB-60A (3"-6") | | 1530 | | | X | to be ≤ 5 mg/kg | 1 |
| 11 | SB-82 (0"-3") | | 0915 | | | X | or below | 1 |
| 12 | SB-83 (0"-3") | | 0900 | | | X | | 1 |
| 13 | SB-84 (0'-1') | 5/19/10 | 1355 | S | GR | X | | 1 |
| 14 | SB-84 (1'-2') | | | | | X | | 1 |
| 15 | SB-85 (0'-1') | | 1405 | | | X | | 1 |
| 16 | SB-85 (1'-2') | | | | | X | | 1 |
| 17 | SB-86 (0'-1') | | 1415 | | | X | | 1 |
| 17 | SB-86 (0'-1') MS | | | | | X | | 1 |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1600 | | 5/21/10 |
| | 5/21/10 | | 5/21/10 1735 |
| | 5/21/10 1955 | | 5/21/10 1957 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 3 OF 17

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007677


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: Woodard & Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 Indig Street

Project Location:

Project #:

Project Manager: Garrett Rose

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5/28/10 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program: RT Criteria: Residential

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☑ No Are MCP Analytical Methods Required?

☐ Yes ☑ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

below 1 mg/kg

ANALYSIS: PCBs - 8082 (Soxhlet extraction)

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs - 8082 (Soxhlet extraction) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07677.17 | SB-86(0'-1')MSD | 5/19/10 | 1415 | S | GR | X | Results expected | 1 |
| 18 | SB-86(1'-2') | | ↓ | | | X | ≥ 5 mg/kg or | 1 |
| 19 | SB-87(0'-1') | | 1425 | | | X | below | 1 |
| 20 | SB-87(1'-2') | | ↓ | | | X | ↓ | 1 |
| 21 | SB-87(1'-2')Dup | | ↓ | | | X | | 1 |
| 22 | SB-88(0'-1') | | 1310 | | | X | | 1 |
| 23 | SB-88(1'-2') | | ↓ | | | X | | 1 |
| 24 | SB-89(0'-1') | | 1320 | | | X | | 1 |
| 25 | SB-89(1'-2') | | ↓ | | | X | | 1 |
| 26 | SB-90(0'-1') | ↓ | 1335 | ↓ | ↓ | X | | 1 |
| | | | | | Container Type | A | | |
| | | | | | Preservative | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1600 | | 5/21/10 |
| | 5/21/10 | | 5/21/10 17:35 |
| | 5/21/10 19:55 | | 5/21/10 19:55 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1007697 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Phone: | (401) 273-1007 |
| Project Name: | 1 INDIA ST. |
| Project Number: | 0222610.01 |
| Report Date: | 05/28/10 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1007697-01 | SB-90 (1'-2') | PROVIDENCE | 05/19/10 13:35 |
| L1007697-02 | SB-91 (0'-1') | PROVIDENCE | 05/19/10 13:45 |
| L1007697-03 | SB-91 (1'-2') | PROVIDENCE | 05/19/10 13:45 |
| L1007697-04 | SB-92 (0'-1') | PROVIDENCE | 05/19/10 10:55 |
| L1007697-05 | SB-92 (1'-2') | PROVIDENCE | 05/19/10 10:55 |
| L1007697-06 | SB-93 (0'-1') | PROVIDENCE | 05/19/10 11:15 |
| L1007697-07 | SB-93 (1'-2') | PROVIDENCE | 05/19/10 11:15 |
| L1007697-08 | SB-94 (0'-1') | PROVIDENCE | 05/19/10 11:30 |
| L1007697-09 | SB-94 (1'-2') | PROVIDENCE | 05/19/10 11:30 |
| L1007697-10 | SB-95 (0'-1') | PROVIDENCE | 05/19/10 11:45 |
| L1007697-11 | SB-95 (1'-2') | PROVIDENCE | 05/19/10 11:45 |
| L1007697-12 | SB-96 (0'-1') | PROVIDENCE | 05/19/10 14:45 |
| L1007697-13 | SB-97 (0'-1') | PROVIDENCE | 05/19/10 14:55 |
| L1007697-14 | SB-98 (0'-1') | PROVIDENCE | 05/19/10 15:05 |
| L1007697-15 | SB-99 (0'-1') | PROVIDENCE | 05/19/10 15:15 |
| L1007697-16 | SB-100 (0'-1') | PROVIDENCE | 05/19/10 15:25 |
| L1007697-17 | SB-100 (1'-2') | PROVIDENCE | 05/19/10 15:25 |
| L1007697-18 | SB-101 (0"-3") | PROVIDENCE | 05/19/10 09:45 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L1007697 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/28/10 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L1007697-02, -03, -06, -07, -10, -11, -12 and -14 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the elevated concentrations of target compounds in the samples.

L1007697-04, -05, -08, -13, -15, -16 and -17 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L1007697-02, -03, -04, -06, -07, -10, -11, -12, -14, -15, -16 and -17 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (All at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analysis are reported.

The dual column RPD for L1007697-05 is above the acceptance criteria for Aroclor 1254; however, no obvious column interferences are present. The higher of the two results is reported and qualified with a "P".

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L1007697 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/28/10 |

**Case Narrative (continued)**

The dual column RPD for L1007697-09 is above the acceptance criteria for Aroclor 1248; however, no obvious column interferences are present. The higher of the two results is reported and qualified with a "P".

The WG414375-4/-5 MS/MSD associated with L1007697-16 were not analyzed because the dilutions required by the elevated concentrations of target compounds present in the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 05/28/10

# ORGANICS

# PCBS

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007697-01 | Date Collected: | 05/19/10 13:35 |
| Client ID: | SB-90 (1'-2') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 12:03 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.3 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.3 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | A |
| Decachlorobiphenyl | 118 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | B |
| Decachlorobiphenyl | 119 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-02 | D | Date Collected: | 05/19/10 13:45 |
| Client ID: | SB-91 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 19:46 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 77% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3320 | -- | 80 |
| Aroclor 1221 | ND | | ug/kg | 3320 | -- | 80 |
| Aroclor 1232 | ND | | ug/kg | 3320 | -- | 80 |
| Aroclor 1242 | ND | | ug/kg | 3320 | -- | 80 |
| Aroclor 1248 | 8720 | | ug/kg | 3320 | -- | 80 |
| Aroclor 1260 | ND | | ug/kg | 3320 | -- | 80 |
| Aroclor 1262 | ND | | ug/kg | 3320 | -- | 80 |
| Aroclor 1268 | ND | | ug/kg | 3320 | -- | 80 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-02 | D | Date Collected: | 05/19/10 13:45 |
| Client ID: | SB-91 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 19:46 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 77% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 9510 | | ug/kg | 3320 | -- | 80 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-03 | D | Date Collected: | 05/19/10 13:45 |
| Client ID: | SB-91 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 18:33 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 594 | -- | 15 |
| Aroclor 1221 | ND | | ug/kg | 594 | -- | 15 |
| Aroclor 1232 | ND | | ug/kg | 594 | -- | 15 |
| Aroclor 1242 | ND | | ug/kg | 594 | -- | 15 |
| Aroclor 1254 | 1900 | | ug/kg | 594 | -- | 15 |
| Aroclor 1260 | ND | | ug/kg | 594 | -- | 15 |
| Aroclor 1262 | ND | | ug/kg | 594 | -- | 15 |
| Aroclor 1268 | ND | | ug/kg | 594 | -- | 15 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-03 | D | Date Collected: | 05/19/10 13:45 |
| Client ID: | SB-91 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 18:33 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 1540 | | ug/kg | 594 | -- | 15 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-04 | D | Date Collected: | 05/19/10 10:55 |
| Client ID: | SB-92 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 18:57 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 74% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 449 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 449 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 449 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 449 | -- | 10 |
| Aroclor 1254 | 914 | | ug/kg | 449 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 449 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 449 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 449 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-04 | D | Date Collected: | 05/19/10 10:55 |
| Client ID: | SB-92 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 18:57 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 74% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 1190 | | ug/kg | 449 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-05 | D | Date Collected: | 05/19/10 10:55 |
| Client ID: | SB-92 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 19:09 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1248 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1254 | 534 | P | ug/kg | 186 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 186 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 97 | | 30-150 | A |
| Decachlorobiphenyl | 50 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 | B |
| Decachlorobiphenyl | 65 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-06 | D | Date Collected: | 05/19/10 11:15 |
| Client ID: | SB-93 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 20:22 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 71% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 9450 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 9450 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 9450 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 9450 | -- | 200 |
| Aroclor 1248 | 22400 | | ug/kg | 9450 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 9450 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 9450 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 9450 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-06 | D | Date Collected: | 05/19/10 11:15 |
| Client ID: | SB-93 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 20:22 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 71% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 19800 | | ug/kg | 9450 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-07 | D | Date Collected: | 05/19/10 11:15 |
| Client ID: | SB-93 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 19:58 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 2330 | -- | 60 |
| Aroclor 1221 | ND | | ug/kg | 2330 | -- | 60 |
| Aroclor 1232 | ND | | ug/kg | 2330 | -- | 60 |
| Aroclor 1242 | ND | | ug/kg | 2330 | -- | 60 |
| Aroclor 1260 | ND | | ug/kg | 2330 | -- | 60 |
| Aroclor 1262 | ND | | ug/kg | 2330 | -- | 60 |
| Aroclor 1268 | ND | | ug/kg | 2330 | -- | 60 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-07 | D | Date Collected: | 05/19/10 11:15 |
| Client ID: | SB-93 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 19:58 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 4950 | | ug/kg | 2330 | -- | 60 |
| Aroclor 1254 | 4080 | | ug/kg | 2330 | -- | 60 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-08 | D | Date Collected: | 05/19/10 11:30 |
| Client ID: | SB-94 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 18:45 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 193 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 193 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 193 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 193 | -- | 5 |
| Aroclor 1254 | 632 | | ug/kg | 193 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 193 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 193 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 193 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | A |
| Decachlorobiphenyl | 90 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 83 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-08 | D | Date Collected: | 05/19/10 11:30 |
| Client ID: | SB-94 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 18:45 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 697 | | ug/kg | 193 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | A |
| Decachlorobiphenyl | 90 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 83 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007697-09 | Date Collected: | 05/19/10 11:30 |
| Client ID: | SB-94 (1'-2') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 12:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1248 | 67.6 | P | ug/kg | 36.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | A |
| Decachlorobiphenyl | 124 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 | B |
| Decachlorobiphenyl | 123 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007697-09 | Date Collected: | 05/19/10 11:30 |
| Client ID: | SB-94 (1'-2') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 12:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1254 | 51.6 | | ug/kg | 36.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | A |
| Decachlorobiphenyl | 124 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 | B |
| Decachlorobiphenyl | 123 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-10 | D | Date Collected: | 05/19/10 11:45 |
| Client ID: | SB-95 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 19:21 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 4440 | | ug/kg | 1360 | -- | 40 |
| Aroclor 1254 | 4240 | | ug/kg | 1360 | -- | 40 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-10 | D | Date Collected: | 05/19/10 11:45 |
| Client ID: | SB-95 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 19:21 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1360 | -- | 40 |
| Aroclor 1221 | ND | | ug/kg | 1360 | -- | 40 |
| Aroclor 1232 | ND | | ug/kg | 1360 | -- | 40 |
| Aroclor 1242 | ND | | ug/kg | 1360 | -- | 40 |
| Aroclor 1260 | ND | | ug/kg | 1360 | -- | 40 |
| Aroclor 1262 | ND | | ug/kg | 1360 | -- | 40 |
| Aroclor 1268 | ND | | ug/kg | 1360 | -- | 40 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-11 | D | Date Collected: | 05/19/10 11:45 |
| Client ID: | SB-95 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 20:34 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1890 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1890 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1890 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1890 | -- | 50 |
| Aroclor 1248 | 4610 | | ug/kg | 1890 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1890 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1890 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1890 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-11 | D | Date Collected: | 05/19/10 11:45 |
| Client ID: | SB-95 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 20:34 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 3770 | | ug/kg | 1890 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-12 | D | Date Collected: | 05/19/10 14:45 |
| Client ID: | SB-96 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 20:47 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 5760 | -- | 150 |
| Aroclor 1221 | ND | | ug/kg | 5760 | -- | 150 |
| Aroclor 1232 | ND | | ug/kg | 5760 | -- | 150 |
| Aroclor 1242 | ND | | ug/kg | 5760 | -- | 150 |
| Aroclor 1248 | 13600 | | ug/kg | 5760 | -- | 150 |
| Aroclor 1254 | 10100 | | ug/kg | 5760 | -- | 150 |
| Aroclor 1260 | ND | | ug/kg | 5760 | -- | 150 |
| Aroclor 1262 | ND | | ug/kg | 5760 | -- | 150 |
| Aroclor 1268 | ND | | ug/kg | 5760 | -- | 150 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-13 | D | Date Collected: | 05/19/10 14:55 |
| Client ID: | SB-97 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/28/10 08:34 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 183 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 183 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 183 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 183 | -- | 5 |
| Aroclor 1248 | 653 | | ug/kg | 183 | -- | 5 |
| Aroclor 1254 | 403 | | ug/kg | 183 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 183 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 183 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 183 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 84 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 81 | | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-14 | D | Date Collected: | 05/19/10 15:05 |
| Client ID: | SB-98 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 20:10 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 83% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 8120 | | ug/kg | 3180 | -- | 80 |
| Aroclor 1254 | 7640 | | ug/kg | 3180 | -- | 80 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-14 | D | Date Collected: | 05/19/10 15:05 |
| Client ID: | SB-98 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 20:10 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 83% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3180 | -- | 80 |
| Aroclor 1221 | ND | | ug/kg | 3180 | -- | 80 |
| Aroclor 1232 | ND | | ug/kg | 3180 | -- | 80 |
| Aroclor 1242 | ND | | ug/kg | 3180 | -- | 80 |
| Aroclor 1260 | ND | | ug/kg | 3180 | -- | 80 |
| Aroclor 1262 | ND | | ug/kg | 3180 | -- | 80 |
| Aroclor 1268 | ND | | ug/kg | 3180 | -- | 80 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-15 | D | Date Collected: | 05/19/10 15:15 |
| Client ID: | SB-99 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 20:59 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 82% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 4050 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 4050 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 4050 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 4050 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 4050 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 4050 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 4050 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-15 | D | Date Collected: | 05/19/10 15:15 |
| Client ID: | SB-99 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 20:59 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 82% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 59400 | | ug/kg | 4050 | -- | 100 |
| Aroclor 1254 | 34900 | | ug/kg | 4050 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-16 | D | Date Collected: | 05/19/10 15:25 |
| Client ID: | SB-100 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 21:11 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 80% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 4180 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 4180 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 4180 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 4180 | -- | 100 |
| Aroclor 1248 | 28600 | | ug/kg | 4180 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 4180 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 4180 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 4180 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-16 | D | Date Collected: | 05/19/10 15:25 |
| Client ID: | SB-100 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 21:11 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 80% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 24600 | | ug/kg | 4180 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-17 | D | Date Collected: | 05/19/10 15:25 |
| Client ID: | SB-100 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 19:33 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 380 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 380 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 380 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 380 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 380 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 380 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 380 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007697-17 | D | Date Collected: | 05/19/10 15:25 |
| Client ID: | SB-100 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/27/10 19:33 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 1910 | | ug/kg | 380 | -- | 10 |
| Aroclor 1254 | 1200 | | ug/kg | 380 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA ST. **Lab Number:** L1007697

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007697-18 | Date Collected: | 05/19/10 09:45 |
| Client ID: | SB-101 (0"-3") | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/28/10 14:07 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | A |
| Decachlorobiphenyl | 116 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 97 | | 30-150 | B |
| Decachlorobiphenyl | 104 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/26/10 17:46
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 05/24/10 22:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/26/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/26/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-14 Batch: WG414373-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | A |
| Decachlorobiphenyl | 100 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 105 | | 30-150 | B |
| Decachlorobiphenyl | 99 | | 30-150 | B |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/28/10 12:41
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 05/24/10 22:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/26/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/26/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 15-18 Batch: WG414375-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | A |
| Decachlorobiphenyl | 102 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | B |
| Decachlorobiphenyl | 94 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-14 Batch: WG414373-2 WG414373-3 | | | | | | | | |
| Aroclor 1016 | 114 | | 99 | | 40-140 | 14 | | 50 |
| Aroclor 1260 | 109 | | 103 | | 40-140 | 6 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 89 | | 30-150 | A |
| Decachlorobiphenyl | 102 | | 101 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 114 | | 110 | | 30-150 | B |
| Decachlorobiphenyl | 109 | | 103 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 15-18 Batch: WG414375-2 WG414375-3 | | | | | | | | |
| Aroclor 1016 | 85 | | 130 | | 40-140 | 42 | | 50 |
| Aroclor 1260 | 102 | | 107 | | 40-140 | 5 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 91 | | 30-150 | A |
| Decachlorobiphenyl | 103 | | 116 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 113 | | 30-150 | B |
| Decachlorobiphenyl | 80 | | 107 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007697-01
Client ID: SB-90 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 13:35
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/24/10 16:57 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007697-02
Client ID: SB-91 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 13:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 77 | | % | 0.10 | NA | 1 | - | 05/24/10 16:57 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007697-03
Client ID: SB-91 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 13:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 05/24/10 16:57 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007697-04
Client ID: SB-92 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 10:55
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 74 | | % | 0.10 | NA | 1 | - | 05/24/10 16:57 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007697-05
Client ID: SB-92 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 10:55
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 05/24/10 16:57 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007697-06
Client ID: SB-93 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 11:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 71 | | % | 0.10 | NA | 1 | - | 05/24/10 16:57 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007697-07
Client ID: SB-93 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 11:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 05/26/10 11:48 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007697-08
Client ID: SB-94 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 11:30
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/26/10 11:48 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007697-09
Client ID: SB-94 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 11:30
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 05/26/10 11:48 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007697-10
Client ID: SB-95 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 11:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 05/26/10 11:48 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007697-11
Client ID: SB-95 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 11:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/26/10 11:48 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007697-12
Client ID: SB-96 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 14:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/26/10 11:48 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007697-13
Client ID: SB-97 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 14:55
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 05/26/10 11:48 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007697-14
Client ID: SB-98 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 15:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | NA | 1 | - | 05/26/10 11:48 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007697-15
Client ID: SB-99 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 15:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | NA | 1 | - | 05/26/10 11:48 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007697-16
Client ID: SB-100 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 15:25
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 80 | | % | 0.10 | NA | 1 | - | 05/26/10 11:48 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007697-17
Client ID: SB-100 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 15:25
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/26/10 11:48 | 30,2540G | AC |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007697-18
Client ID: SB-101 (0"-3")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 09:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 05/26/10 11:48 | 30,2540G | AC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG414355-1 QC Sample: L1007697-01 Client ID: SB-90 (1'-2') | | | | | | |
| Solids, Total | 86 | 86 | % | 0 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 07-18 QC Batch ID: WG414671-1 QC Sample: L1007683-08 Client ID: DUP Sample | | | | | | |
| Solids, Total | 84 | 85 | % | 1 | | 20 |

**Project Name:** 1 INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1007697
**Report Date:** 05/28/10

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007697-01A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-02A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-03A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-04A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-05A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-06A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-07A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-08A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-09A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-10A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-11A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-12A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-13A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-14A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-15A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-16A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-16B | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-16C | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-17A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007697-18A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L1007697 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/28/10 |

## GLOSSARY

***Acronyms***

EPA · Environmental Protection Agency.

LCS · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD · Laboratory Control Sample Duplicate: Refer to LCS.

MDL · Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD · Matrix Spike Sample Duplicate: Refer to MS.

NA · Not Applicable.

NC · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI · Not Ignitable.

RL · Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L1007697 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/28/10 |

***Data Qualifiers***

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA ST. | **Lab Number:** | L1007697 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/28/10 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised May 19, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

**Analytes Not Accredited by NELAP**
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

# CHAIN OF CUSTODY

PAGE 4 OF 17

Date Rec'd in Lab: 5/21/10

ALPHA Job #: 2100697


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


05281016:35

## Client Information

Client: Woodard + Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 India St.

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5/28/10 Time:

## Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

## Billing Information

☑ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program RI / EPA Criteria —

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☑ No Are MCP Analytical Methods Required?

☐ Yes ☑ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

## Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

below 1 mg/kg

ANALYSIS: PCBs-8082 (Soxhlet)

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs-8082 (Soxhlet) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07697 1 | SB-90 (1'-2') | 5/19/10 | 1335 | S | GR | X | Results expected ± 10 mg/kg or below | 1 |
| 2 | SB-91 (0'-1') | | 1345 | | | X | | 1 |
| 3 | SB-91 (1'-2') | | ↓ | | | X | | 1 |
| 4 | SB-92 (0'-1') | | 1055 | | | X | | 1 |
| 5 | SB-92 (1'-2') | | ↓ | | | X | | 1 |
| 6 | SB-93 (0'-1') | | 1115 | | | X | | 1 |
| 7 | SB-93 (1'-2') | | ↓ | | | X | | 1 |
| 8 | SB-94 (0'-1') | | 1130 | | | X | | 1 |
| 9 | SB-94 (1'-2') | | ↓ | | | X | | 1 |
| 10 | SB-95 (0'-1') | ↓ | 1145 | ↓ | ↓ | X | | 1 |
| | | | | | Container Type | A | | |
| | | | | | Preservative | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1600 | | 5/21/10 |
| | 5/21/10 19:55 | | 5/21/10 17:25 |
| | | | 5/21/10 1958 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 5 OF 17

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007697


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


05281016:35

**Client Information**

Client: Woodard & Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 Indic St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5/28/10 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☑ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

below 1 mg/kg

ANALYSIS: RCBS 8082 (soxhlet)

**SAMPLE HANDLING**

*Filtration*
☐ Done ☐ Not needed ☐ Lab to do

*Preservation*
☐ Lab to do (Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | RCBS 8082 (soxhlet) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07697.11 | SB-95 (1'-2') | 5/19/10 | 1145 | S | GR | X | Results Expected ≥10mg/kg or below | 1 |
| 12 | SB-96 (0'-1') | | 1445 | | | X | | 1 |
| 13 | SB-97 (0'-1') | | 1455 | | | X | | 1 |
| 14 | SB-98 (0'-1') | | 1505 | | | X | | 1 |
| 15 | SB-99 (0'-1') | | 1515 | | | X | | 1 |
| 16 | SB-100 (0'-1') | | 1525 | | | X | | 1 |
| 16 | SB-100 (0'-1') MS | | | | | X | | 1 |
| 16 | SB-100 (0'-1') MSD | | | | | X | | 1 |
| 17 | SB-100 (1'-2') | | 1525 | | | X | | 1 |
| 18 | SB-101 (0"-3") | | 945 | | | X | | 1 |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| R. Dillent | 5/21/10 1600 | | 5/21/10 |
| | 5/21/10 | | 5/21/10 17:35 |
| | 5/20/10 19:55 | | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1007698 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Phone: | (401) 273-1007 |
| Project Name: | 1 INDIA STREET |
| Project Number: | 0222610.01 |
| Report Date: | 06/01/10 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1007698-01 | SB-128 (0'-1') | PROVIDENCE | 05/19/10 09:00 |
| L1007698-02 | SB-128 (1'-2') | PROVIDENCE | 05/19/10 09:00 |
| L1007698-03 | SB-128 (2'-3') | PROVIDENCE | 05/19/10 09:00 |
| L1007698-04 | SB-129 (0'-1') | PROVIDENCE | 05/19/10 09:20 |
| L1007698-05 | SB-129 (0'-1') DUP | PROVIDENCE | 05/19/10 09:20 |
| L1007698-06 | SB-129 (1'-2') | PROVIDENCE | 05/19/10 09:20 |
| L1007698-07 | SB-129 (2'-3') | PROVIDENCE | 05/19/10 09:20 |
| L1007698-08 | SB-130 (0'-1') | PROVIDENCE | 05/19/10 09:10 |
| L1007698-09 | SB-130 (1'-2') | PROVIDENCE | 05/19/10 09:10 |
| L1007698-10 | SB-130 (2'-3') | PROVIDENCE | 05/19/10 09:10 |
| L1007698-11 | SB-131 (0'-1') | PROVIDENCE | 05/19/10 08:15 |
| L1007698-12 | SB-131 (1'-2') | PROVIDENCE | 05/19/10 08:15 |
| L1007698-13 | SB-131 (2'-3') | PROVIDENCE | 05/19/10 08:15 |
| L1007698-14 | SB-37A (2'-3') | PROVIDENCE | 05/20/10 08:45 |
| L1007698-15 | SB-37A (3'-4') | PROVIDENCE | 05/20/10 08:45 |
| L1007698-16 | SB-40A (1'-2') | PROVIDENCE | 05/20/10 08:25 |
| L1007698-17 | SB-40A (2'-3') | PROVIDENCE | 05/20/10 08:25 |
| L1007698-18 | SB-56A (2'-3') | PROVIDENCE | 05/20/10 10:05 |
| L1007698-19 | SB-56A (3'-4') | PROVIDENCE | 05/20/10 10:05 |
| L1007698-20 | SB-69A (12"-15") | PROVIDENCE | 05/20/10 13:25 |
| L1007698-21 | SB-69A (15"-18") | PROVIDENCE | 05/20/10 13:25 |
| L1007698-22 | SB-102 (0'-1') | PROVIDENCE | 05/20/10 08:55 |
| L1007698-23 | SB-102 (0'-1') DUP | PROVIDENCE | 05/20/10 08:55 |
| L1007698-24 | SB-102 (1'-2') | PROVIDENCE | 05/20/10 08:55 |
| L1007698-25 | SB-102 (2'-3') | PROVIDENCE | 05/20/10 08:55 |
| L1007698-26 | SB-103 (0'-1') | PROVIDENCE | 05/20/10 09:05 |
| L1007698-27 | SB-104 (0'-1') | PROVIDENCE | 05/20/10 11:10 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007698 |
| **Project Number:** | 0222610.01 | **Report Date:** | 06/01/10 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L1007698-08, -13, -14, -16, -17, -19 through -24, -26, and -27 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1007698-18 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the elevated concentrations of target compounds in the sample.

The surrogate recoveries for L1007698-14, -16 through -19, -21, -22, -23, -24, -26, and -27 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analyses are reported.

The WG414391-4/-5 MS/MSD recoveries for Aroclor 1016 (149%/167%), performed on L1007698-12, are above the method acceptance criteria due to interference with Aroclor 1248 present in the sample.

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007698 |
| **Project Number:** | 0222610.01 | **Report Date:** | 06/01/10 |

**Case Narrative (continued)**

The WG414391-5 MSD recovery for Aroclor 1260 (171%), performed on L1007698-12, is above the method acceptance criteria due to interference with Aroclors 1248 and 1254 present in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/01/10

# ORGANICS

# PCBS

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-01 | Date Collected: | 05/19/10 09:00 |
| Client ID: | SB-128 (0'-1') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/28/10 14:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 115 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-01 | Date Collected: | 05/19/10 09:00 |
| Client ID: | SB-128 (0'-1') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/28/10 14:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1254 | 41.4 | | ug/kg | 35.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 115 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-02 | Date Collected: | 05/19/10 09:00 |
| Client ID: | SB-128 (1'-2') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/28/10 14:37 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 |
| Decachlorobiphenyl | 105 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-02 | Date Collected: | 05/19/10 09:00 |
| Client ID: | SB-128 (1'-2') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/28/10 14:37 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1254 | ND | | ug/kg | 34.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 |
| Decachlorobiphenyl | 105 | | 30-150 |

**Project Name:** 1 INDIA STREET
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-03 | Date Collected: | 05/19/10 09:00 |
| Client ID: | SB-128 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/28/10 14:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 94 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 |
| Decachlorobiphenyl | 107 | | 30-150 |

**Project Name:** 1 INDIA STREET
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-04 | Date Collected: | 05/19/10 09:20 |
| Client ID: | SB-129 (0'-1') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/28/10 16:33 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-05 | Date Collected: | 05/19/10 09:20 |
| Client ID: | SB-129 (0'-1') DUP | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/28/10 16:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-06 | Date Collected: | 05/19/10 09:20 |
| Client ID: | SB-129 (1'-2') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/28/10 15:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 76 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 79 | | 30-150 |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-07 | Date Collected: | 05/19/10 09:20 |
| Client ID: | SB-129 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/28/10 16:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1248 | 163 | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1254 | 80.3 | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |

**Project Name:** 1 INDIA STREET
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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-08 | D | Date Collected: | 05/19/10 09:10 |
| Client ID: | SB-130 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/28/10 15:15 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 70% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 233 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 233 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 233 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 233 | -- | 5 |
| Aroclor 1248 | 680 | | ug/kg | 233 | -- | 5 |
| Aroclor 1254 | 256 | | ug/kg | 233 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 233 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 233 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 233 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 85 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 105 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-09 | Date Collected: | 05/19/10 09:10 |
| Client ID: | SB-130 (1'-2') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/28/10 17:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 100 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-09 | Date Collected: | 05/19/10 09:10 |
| Client ID: | SB-130 (1'-2') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/28/10 17:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 39.9 | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1254 | 99.2 | | ug/kg | 37.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 100 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-10 | Date Collected: | 05/19/10 09:10 |
| Client ID: | SB-130 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/24/10 22:15 |
| Analytical Date: | 05/28/10 17:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 79% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 40.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 40.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 40.0 | -- | 1 |
| Aroclor 1248 | 68.4 | | ug/kg | 40.0 | -- | 1 |
| Aroclor 1254 | 150 | | ug/kg | 40.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 40.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 40.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 40.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 99 | | 30-150 |

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**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-11 | Date Collected: | 05/19/10 08:15 |
| Client ID: | SB-131 (0'-1') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 10:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1248 | 151 | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1268 | 67.6 | | ug/kg | 38.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | A |
| Decachlorobiphenyl | 149 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | B |
| Decachlorobiphenyl | 118 | | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-11 | Date Collected: | 05/19/10 08:15 |
| Client ID: | SB-131 (0'-1') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 10:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1254 | 204 | | ug/kg | 38.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | A |
| Decachlorobiphenyl | 149 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | B |
| Decachlorobiphenyl | 118 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-12 | Date Collected: | 05/19/10 08:15 |
| Client ID: | SB-131 (1'-2') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/28/10 17:35 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1248 | 62.7 | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1254 | 117 | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-13 | D | Date Collected: | 05/19/10 08:15 |
| Client ID: | SB-131 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 08:34 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1248 | 642 | | ug/kg | 180 | -- | 5 |
| Aroclor 1254 | 396 | | ug/kg | 180 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 180 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 84 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 81 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-14 | D | Date Collected: | 05/20/10 08:45 |
| Client ID: | SB-37A (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 11:45 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3960 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3960 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3960 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3960 | -- | 100 |
| Aroclor 1248 | 12400 | | ug/kg | 3960 | -- | 100 |
| Aroclor 1254 | ND | | ug/kg | 3960 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3960 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3960 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3960 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-15 | Date Collected: | 05/20/10 08:45 |
| Client ID: | SB-37A (3'-4') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 10:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | A |
| Decachlorobiphenyl | 103 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 | B |
| Decachlorobiphenyl | 89 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-15 | Date Collected: | 05/20/10 08:45 |
| Client ID: | SB-37A (3'-4') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 10:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 197 | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1254 | 110 | | ug/kg | 38.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | A |
| Decachlorobiphenyl | 103 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 | B |
| Decachlorobiphenyl | 89 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-16 | D | Date Collected: | 05/20/10 08:25 |
| Client ID: | SB-40A (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 11:57 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 83% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 46400 | | ug/kg | 8220 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-16 | D | Date Collected: | 05/20/10 08:25 |
| Client ID: | SB-40A (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 11:57 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 83% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 8220 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 8220 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 8220 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 8220 | -- | 200 |
| Aroclor 1254 | 19000 | | ug/kg | 8220 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 8220 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 8220 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 8220 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-17 | D | Date Collected: | 05/20/10 08:25 |
| Client ID: | SB-40A (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 12:09 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 3110 | | ug/kg | 733 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-17 | D | Date Collected: | 05/20/10 08:25 |
| Client ID: | SB-40A (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 12:09 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 733 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 733 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 733 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 733 | -- | 20 |
| Aroclor 1254 | ND | | ug/kg | 733 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 733 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 733 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 733 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-18 | D | Date Collected: | 05/20/10 10:05 |
| Client ID: | SB-56A (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 17:07 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 79% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 1520000 | | ug/kg | 208000 | -- | 5000 |
| Aroclor 1254 | 536000 | | ug/kg | 208000 | -- | 5000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-18 | D | Date Collected: | 05/20/10 10:05 |
| Client ID: | SB-56A (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 17:07 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 79% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 208000 | -- | 5000 |
| Aroclor 1221 | ND | | ug/kg | 208000 | -- | 5000 |
| Aroclor 1232 | ND | | ug/kg | 208000 | -- | 5000 |
| Aroclor 1242 | ND | | ug/kg | 208000 | -- | 5000 |
| Aroclor 1260 | ND | | ug/kg | 208000 | -- | 5000 |
| Aroclor 1262 | ND | | ug/kg | 208000 | -- | 5000 |
| Aroclor 1268 | ND | | ug/kg | 208000 | -- | 5000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-19 | D | Date Collected: | 05/20/10 10:05 |
| Client ID: | SB-56A (3'-4') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 17:20 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3650 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3650 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3650 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3650 | -- | 100 |
| Aroclor 1248 | 10100 | | ug/kg | 3650 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3650 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3650 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3650 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-19 | D | Date Collected: | 05/20/10 10:05 |
| Client ID: | SB-56A (3'-4') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 17:20 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 4230 | | ug/kg | 3650 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-20 | D | Date Collected: | 05/20/10 13:25 |
| Client ID: | SB-69A (12"-15") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 17:32 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 618 | | ug/kg | 191 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | A |
| Decachlorobiphenyl | 97 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 | B |
| Decachlorobiphenyl | 92 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-20 | D | Date Collected: | 05/20/10 13:25 |
| Client ID: | SB-69A (12"-15") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 17:32 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 191 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 191 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 191 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 191 | -- | 5 |
| Aroclor 1254 | 530 | | ug/kg | 191 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 191 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 191 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 191 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | A |
| Decachlorobiphenyl | 97 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 | B |
| Decachlorobiphenyl | 92 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-21 | D | Date Collected: | 05/20/10 13:25 |
| Client ID: | SB-69A (15"-18") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 17:56 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 1870 | | ug/kg | 749 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-21 | D | Date Collected: | 05/20/10 13:25 |
| Client ID: | SB-69A (15"-18") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 17:56 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 749 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 749 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 749 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 749 | -- | 20 |
| Aroclor 1254 | 2370 | | ug/kg | 749 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 749 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 749 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 749 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-22 | D | Date Collected: | 05/20/10 08:55 |
| Client ID: | SB-102 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 18:08 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 82% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 20000 | -- | 500 |
| Aroclor 1221 | ND | | ug/kg | 20000 | -- | 500 |
| Aroclor 1232 | ND | | ug/kg | 20000 | -- | 500 |
| Aroclor 1242 | ND | | ug/kg | 20000 | -- | 500 |
| Aroclor 1260 | ND | | ug/kg | 20000 | -- | 500 |
| Aroclor 1262 | ND | | ug/kg | 20000 | -- | 500 |
| Aroclor 1268 | ND | | ug/kg | 20000 | -- | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-22 | D | Date Collected: | 05/20/10 08:55 |
| Client ID: | SB-102 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 18:08 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 82% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 78200 | | ug/kg | 20000 | -- | 500 |
| Aroclor 1254 | 48300 | | ug/kg | 20000 | -- | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-23 | D | Date Collected: | 05/20/10 08:55 |
| Client ID: | SB-102 (0'-1') DUP | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/28/10 08:47 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 82% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7950 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7950 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7950 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7950 | -- | 200 |
| Aroclor 1248 | 77000 | | ug/kg | 7950 | -- | 200 |
| Aroclor 1254 | 41700 | | ug/kg | 7950 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7950 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7950 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7950 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-24 | D | Date Collected: | 05/20/10 08:55 |
| Client ID: | SB-102 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 18:20 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 95% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 690 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 690 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 690 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 690 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 690 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 690 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 690 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-24 | D | Date Collected: | 05/20/10 08:55 |
| Client ID: | SB-102 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 18:20 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 95% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 2350 | | ug/kg | 690 | -- | 20 |
| Aroclor 1254 | 2180 | | ug/kg | 690 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-25 | Date Collected: | 05/20/10 08:55 |
| Client ID: | SB-102 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/28/10 17:47 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1254 | 74.6 | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 102 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
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**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007698-25 | Date Collected: | 05/20/10 08:55 |
| Client ID: | SB-102 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/28/10 17:47 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 47.1 | | ug/kg | 37.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 102 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-26 | D | Date Collected: | 05/20/10 09:05 |
| Client ID: | SB-103 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 16:43 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 12700 | | ug/kg | 3730 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-26 | D | Date Collected: | 05/20/10 09:05 |
| Client ID: | SB-103 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 16:43 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3730 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3730 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3730 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3730 | -- | 100 |
| Aroclor 1248 | 18100 | | ug/kg | 3730 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3730 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3730 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3730 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-27 | D | Date Collected: | 05/20/10 11:10 |
| Client ID: | SB-104 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 16:55 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 59500 | | ug/kg | 7420 | -- | 200 |
| Aroclor 1254 | 36500 | | ug/kg | 7420 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007698-27 | D | Date Collected: | 05/20/10 11:10 |
| Client ID: | SB-104 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 16:55 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7420 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7420 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7420 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7420 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7420 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7420 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7420 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/28/10 12:41
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 05/24/10 22:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/26/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/26/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-10 Batch: WG414375-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | A |
| Decachlorobiphenyl | 102 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | B |
| Decachlorobiphenyl | 94 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/27/10 11:02
Analyst: JB

Extraction Method: EPA 3540C
Extraction Date: 05/25/10 01:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/26/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/26/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 12,18-27 Batch: WG414391-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.4 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | A |
| Decachlorobiphenyl | 112 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | B |
| Decachlorobiphenyl | 100 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/27/10 19:53
Analyst: JB

Extraction Method: EPA 3540C
Extraction Date: 05/26/10 01:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/27/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/27/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 11,13-17 Batch: WG414598-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 | A |
| Decachlorobiphenyl | 90 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 122 | | 30-150 | B |
| Decachlorobiphenyl | 114 | | 30-150 | B |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 12,18-27 QC Batch ID: WG414391-4 WG414391-5 QC Sample: L1007698-12 Client ID: SB-131 (1'-2') | | | | | | | | | | | | |
| Aroclor 1016 | ND | 240 | 357 | **149** | Q | 398 | **167** | Q | 40-140 | 11 | | 50 |
| Aroclor 1260 | ND | 240 | 334 | 139 | | 407 | **171** | Q | 40-140 | 21 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria | *Column* |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 96 | | 30-150 | A |
| Decachlorobiphenyl | 132 | | 132 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 107 | | 30-150 | B |
| Decachlorobiphenyl | 125 | | 137 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-10 Batch: WG414375-2 WG414375-3 | | | | | | | | |
| Aroclor 1016 | 85 | | 130 | | 40-140 | 42 | | 50 |
| Aroclor 1260 | 102 | | 107 | | 40-140 | 5 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 91 | | 30-150 | A |
| Decachlorobiphenyl | 103 | | 116 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 113 | | 30-150 | B |
| Decachlorobiphenyl | 80 | | 107 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 12,18-27 Batch: WG414391-2 WG414391-3 | | | | | | | | |
| Aroclor 1016 | 102 | | 77 | | 40-140 | 28 | | 50 |
| Aroclor 1260 | 103 | | 94 | | 40-140 | 9 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 65 | | 30-150 | A |
| Decachlorobiphenyl | 120 | | 118 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 72 | | 30-150 | B |
| Decachlorobiphenyl | 110 | | 97 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA STREET

**Project Number:** 0222610.01

**Lab Number:** L1007698

**Report Date:** 06/01/10

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 11,13-17 Batch: WG414598-2 WG414598-3 | | | | | | | | |
| Aroclor 1016 | 103 | | 113 | | 40-140 | 9 | | 50 |
| Aroclor 1260 | 101 | | 100 | | 40-140 | 1 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 86 | | 30-150 | A |
| Decachlorobiphenyl | 95 | | 98 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 105 | | 118 | | 30-150 | B |
| Decachlorobiphenyl | 104 | | 105 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-01
Client ID: SB-128 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 09:00
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-02
Client ID: SB-128 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 09:00
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-03
Client ID: SB-128 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 09:00
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-04
Client ID: SB-129 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 09:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-05
Client ID: SB-129 (0'-1') DUP
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 09:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-06
Client ID: SB-129 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 09:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-07
Client ID: SB-129 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 09:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-08
Client ID: SB-130 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 09:10
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 70 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-09
Client ID: SB-130 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 09:10
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-10
Client ID: SB-130 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 09:10
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 79 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-11
Client ID: SB-131 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 08:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-12
Client ID: SB-131 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 08:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-13
Client ID: SB-131 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 08:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-14
Client ID: SB-37A (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 08:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-15
Client ID: SB-37A (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 08:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-16
Client ID: SB-40A (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 08:25
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-17
Client ID: SB-40A (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 08:25
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-18
Client ID: SB-56A (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 10:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 79 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-19
Client ID: SB-56A (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 10:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-20
Client ID: SB-69A (12"-15")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:25
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 05/25/10 17:01 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-21
Client ID: SB-69A (15"-18")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:25
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 05/25/10 17:33 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-22
Client ID: SB-102 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 08:55
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | NA | 1 | - | 05/25/10 17:33 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-23
Client ID: SB-102 (0'-1') DUP
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 08:55
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | NA | 1 | - | 05/25/10 17:33 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-24
Client ID: SB-102 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 08:55
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 05/25/10 17:33 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-25
Client ID: SB-102 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 08:55
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 05/25/10 17:33 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-26
Client ID: SB-103 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 09:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/25/10 17:33 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## SAMPLE RESULTS

Lab ID: L1007698-27
Client ID: SB-104 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 11:10
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 05/25/10 17:33 | 30,2540G | AC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG414550-1 QC Sample: L1007698-01 Client ID: SB-128 (0'-1') | | | | | | |
| Solids, Total | 89 | 90 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 21-27 QC Batch ID: WG414557-1 QC Sample: L1007698-21 Client ID: SB-69A (15"-18") | | | | | | |
| Solids, Total | 89 | 88 | % | 1 | | 20 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| A | Absent |
| B | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007698-01A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-02A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-03A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-04A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-05A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-06A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-07A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-08A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-09A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-10A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-11A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-12A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-12B | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-12C | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-13A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-14A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-15A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-16A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-17A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-18A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-19A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-20A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-21A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-22A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-23A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-24A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |

*Values in parentheses indicate holding time in days

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007698
**Report Date:** 06/01/10

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007698-25A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-26A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007698-27A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007698 |
| **Project Number:** | 0222610.01 | **Report Date:** | 06/01/10 |

## GLOSSARY

***Acronyms***

EPA · Environmental Protection Agency.

LCS · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD · Laboratory Control Sample Duplicate: Refer to LCS.

MDL · Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD · Matrix Spike Sample Duplicate: Refer to MS.

NA · Not Applicable.

NC · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI · Not Ignitable.

RL · Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007698 |
| **Project Number:** | 0222610.01 | **Report Date:** | 06/01/10 |

***Data Qualifiers***

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007698 |
| **Project Number:** | 0222610.01 | **Report Date:** | 06/01/10 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised May 19, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

**Analytes Not Accredited by NELAP**
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

# CHAIN OF CUSTODY

PAGE 6 OF 17

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007698

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: Woodard & Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India Street

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5/28/10 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program: RI / EPA

Criteria: DL's must be below 1 mg/kg

Other Project Specific Requirements/Comments/Detection Limits:

< 1 mg/kg

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs (8082 Soxhlet Extraction) | SAMPLE HANDLING | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|
| 07698.1 | SB-128(0'-1') | 5/19/10 | 900 | S | GR | X | | 1 | Not expected to be > 10 mg/kg |
| 2 | SB-128(1'-2') | | | | | X | | 1 | |
| 3 | SB-128(2'-3') | | | | | X | | 1 | |
| 4 | SB-129(0'-1') | | 920 | | | X | | 1 | |
| 5 | SB-129(0'-1') Dup | | | | | X | | 1 | |
| 6 | SB-129(1'-2') | | | | | X | | 1 | |
| 7 | SB-129(2'-3') | | | | | X | | 1 | |
| 8 | SB-130(0'-1') | | 910 | | | X | | 1 | |
| 9 | SB-130(1'-2') | | | | | X | | 1 | |
| 10 | SB-130(2'-3') | | | | | X | | 1 | |
| | Container Type | | | | | A | | | |
| | Preservative | | | | | A | | | |

**SAMPLE HANDLING**

Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 5/21/10 1600 | P. Gilbert | 5/21/10 17:35 |
| | 5/21/10 19:55 | | 5/21/10 19:55 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

06011014:14

# CHAIN OF CUSTODY

PAGE 7 OF 17

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007698

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: Woodard + Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5/28/10 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| RI / EPA | DL's must be below 1 mg/kg |

Other Project Specific Requirements/Comments/Detection Limits:

< 1 mg/kg

ANALYSIS: PCBs (8082 w/ Soxhlet extraction)

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs (8082 w/ Soxhlet extraction) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07698.11 | SB-131 (0'-1') | 5/19/10 | 815 | S | GR | X | Results not expected | 1 |
| 12 | SB-131 (1'-2') | ↓ | ↓ | ↓ | ↓ | X | to be above 10 mg/kg | 1 |
| 13 | SB-131 (2'-3') | ↓ | ↓ | ↓ | ↓ | X | ↓ | 1 |
| 12 | SB-131 (1'-2') MS | ↓ | ↓ | ↓ | ↓ | X | ↓ | 1 |
| 12 | SB-131 (1'-2') MSD | ↓ | ↓ | ↓ | ↓ | X | ↓ | 1 |
| | ~~SB-131 (2'-3'~~ | | | | | | | |
| 14 | SB-37A (2'-3') | 5/20/10 | 845 | S | GR | X | Results expected to | 1 |
| 15 | SB-37A (3'-4') | ↓ | ↓ | ↓ | ↓ | X | be ≈ 50 mg/kg | 1 |
| 16 | SB-40A (1'-2') | ↓ | 825 | ↓ | ↓ | X | ≈ 300 mg/kg | 1 |
| 17 | SB-40A (2'-3') | ↓ | ↓ | ↓ | ↓ | X | ≈ 50 mg/kg | 1 |

| | |
|---|---|
| Container Type | A |
| Preservative | A |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 5/21/10 1600 | [signature] | 5/21/10 |
| [signature] | 5/21/10 | P. Gilbert | 5/21/10 17:35 |
| P. Gilbert | 5/21/10 19:55 | | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 8 OF 17

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1607698

**Client Information**
Client: Woodard + Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**
Project Name: India St
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**
☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5/28/10 Time:

**Report Information - Data Deliverables**
☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**
☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**
State /Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:
<1 mg/kg

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs (8082 w/ Soxhlet Extraction) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07698 18 | SB-56A (2'-3') | 5/20/10 | 1005 | S | GR | X | Result ≈ 1000 mg/kg | 1 |
| 19 | SB-56A (3'-4') | | ↓ | | | X | ≈ 2 mg/kg | 1 |
| 20 | SB-69A (12"-15") | | 1325 | | | X | ≈ 5 mg/kg | 1 |
| 21 | SB-69A (15"-18") | | ↓ | | | X | ↓ | 1 |
| 22 | SB-102 (0'-1') | | 855 | | | X | ≈ 5-50 mg/kg | 1 |
| 23 | SB-102 (0'-1') Dup | | | | | X | ↓ | 1 |
| 24 | SB-102 (1'-2') | | | | | X | | 1 |
| 25 | SB-102 (2'-3') | | ↓ | | | X | | 1 |
| 26 | SB-103 (0'-1') | | 905 | | | X | ≈ 10 mg/kg | 1 |
| 27 | SB-104 (0'-1') | ↓ | 1110 | ↓ | ↓ | X | ↓ | 1 |
| | | | | Container Type | | A | | |
| | | | | Preservative | | A | | |

**SAMPLE HANDLING**
Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1600 | | 5/21/10 |
| | 5/21/10 | | 5/21/10 1700 |
| | 5/21/10 19:55 | | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1007699 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Phone: | (401) 273-1007 |
| Project Name: | 1 INDIA STREET |
| Project Number: | 0222610.01 |
| Report Date: | 05/28/10 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1007699-01 | SB-105 (0'-1') | PROVIDENCE | 05/20/10 11:20 |
| L1007699-02 | SB-105 (1'-2') | PROVIDENCE | 05/20/10 11:20 |
| L1007699-03 | SB-105 (2'-3') | PROVIDENCE | 05/20/10 11:20 |
| L1007699-04 | SB-106 (0'-1') | PROVIDENCE | 05/20/10 11:35 |
| L1007699-05 | SB-106 (1'-2') | PROVIDENCE | 05/20/10 11:35 |
| L1007699-06 | SB-106 (2'-3') | PROVIDENCE | 05/20/10 11:35 |
| L1007699-07 | SB-107 (0'-1') | PROVIDENCE | 05/20/10 13:55 |
| L1007699-08 | SB-107 (1'-2') | PROVIDENCE | 05/20/10 13:55 |
| L1007699-09 | SB-107 (2'-3') | PROVIDENCE | 05/20/10 13:55 |
| L1007699-10 | SB-107 (3'-4') | PROVIDENCE | 05/20/10 13:55 |
| L1007699-11 | SB-107 (4'-5') | PROVIDENCE | 05/20/10 13:55 |
| L1007699-12 | SB-114 (0'-1') | PROVIDENCE | 05/20/10 09:25 |
| L1007699-13 | SB-114 (1'-2') | PROVIDENCE | 05/20/10 09:25 |
| L1007699-14 | SB-114 (2'-3') | PROVIDENCE | 05/20/10 09:25 |
| L1007699-15 | SB-114 (3'-4') | PROVIDENCE | 05/20/10 09:25 |
| L1007699-16 | SB-115 (0'-1') | PROVIDENCE | 05/20/10 09:50 |
| L1007699-17 | SB-115 (1'-2') | PROVIDENCE | 05/20/10 09:50 |
| L1007699-18 | SB-115 (2'-3') | PROVIDENCE | 05/20/10 09:50 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007699 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/28/10 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L1007699-01, -04, -08 through -13, -16 and -17 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1007699-05 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

L1007699-07 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the elevated concentrations of target compounds in the sample.

The surrogate recoveries for L1007699-01, -07 through -13, -16 and -17 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (All at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analysis are reported.

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007699 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/28/10 |

**Case Narrative (continued)**

The dual column RPD for L1007699-03 is above the acceptance criteria for Aroclor 1248; however, no obvious column interferences are present. The higher of the two results is reported and qualified with a "P".
The WG414598-4/-5 MS/MSD associated with L1007699-07 was not analyzed because the dilution required by the elevated concentrations of target compounds present in the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 05/28/10

# ORGANICS

# PCBS

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-01 | D | Date Collected: | 05/20/10 11:20 |
| Client ID: | SB-105 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/28/10 08:22 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 761 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 761 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 761 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 761 | -- | 20 |
| Aroclor 1248 | 4050 | | ug/kg | 761 | -- | 20 |
| Aroclor 1254 | 3860 | | ug/kg | 761 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 761 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 761 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 761 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007699-02 | Date Collected: | 05/20/10 11:20 |
| Client ID: | SB-105 (1'-2') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/28/10 13:55 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 80% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 41.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 41.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 41.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 41.0 | -- | 1 |
| Aroclor 1254 | 212 | | ug/kg | 41.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 41.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 41.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 41.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 30-150 | A |
| Decachlorobiphenyl | 136 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 | B |
| Decachlorobiphenyl | 124 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007699-02 | Date Collected: | 05/20/10 11:20 |
| Client ID: | SB-105 (1'-2') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/28/10 13:55 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 80% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 120 | | ug/kg | 41.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 30-150 | A |
| Decachlorobiphenyl | 136 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 | B |
| Decachlorobiphenyl | 124 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007699-03 | Date Collected: | 05/20/10 11:20 |
| Client ID: | SB-105 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/28/10 13:18 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1248 | 84.4 | P | ug/kg | 35.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | A |
| Decachlorobiphenyl | 105 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | B |
| Decachlorobiphenyl | 94 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007699-03 | Date Collected: | 05/20/10 11:20 |
| Client ID: | SB-105 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/28/10 13:18 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1254 | 49.7 | | ug/kg | 35.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | A |
| Decachlorobiphenyl | 105 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | B |
| Decachlorobiphenyl | 94 | | 30-150 | B |

**Project Name:** 1 INDIA STREET **Lab Number:** L1007699

**Project Number:** 0222610.01 **Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-04 | D | Date Collected: | 05/20/10 11:35 |
| Client ID: | SB-106 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 14:41 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 187 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 187 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 187 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 187 | -- | 5 |
| Aroclor 1248 | 368 | | ug/kg | 187 | -- | 5 |
| Aroclor 1254 | 529 | | ug/kg | 187 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 187 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 187 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 187 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | A |
| Decachlorobiphenyl | 103 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | B |
| Decachlorobiphenyl | 90 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007699-05 | Date Collected: | 05/20/10 11:35 |
| Client ID: | SB-106 (1'-2') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/28/10 13:30 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 72.2 | -- | 2 |
| Aroclor 1221 | ND | | ug/kg | 72.2 | -- | 2 |
| Aroclor 1232 | ND | | ug/kg | 72.2 | -- | 2 |
| Aroclor 1242 | ND | | ug/kg | 72.2 | -- | 2 |
| Aroclor 1254 | 123 | | ug/kg | 72.2 | -- | 2 |
| Aroclor 1260 | ND | | ug/kg | 72.2 | -- | 2 |
| Aroclor 1262 | ND | | ug/kg | 72.2 | -- | 2 |
| Aroclor 1268 | ND | | ug/kg | 72.2 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | A |
| Decachlorobiphenyl | 108 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | B |
| Decachlorobiphenyl | 96 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007699-05 | Date Collected: | 05/20/10 11:35 |
| Client ID: | SB-106 (1'-2') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/28/10 13:30 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 114 | | ug/kg | 72.2 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | A |
| Decachlorobiphenyl | 108 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | B |
| Decachlorobiphenyl | 96 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007699-06 | Date Collected: | 05/20/10 11:35 |
| Client ID: | SB-106 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/28/10 13:43 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 32.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 32.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 32.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 32.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 32.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 32.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 32.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 32.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 113 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | B |
| Decachlorobiphenyl | 82 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-07 | D | Date Collected: | 05/20/10 13:55 |
| Client ID: | SB-107 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 10:56 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 81% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3940 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3940 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3940 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3940 | -- | 100 |
| Aroclor 1248 | 13800 | | ug/kg | 3940 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3940 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3940 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3940 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-07 | D | Date Collected: | 05/20/10 13:55 |
| Client ID: | SB-107 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 10:56 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 81% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 14600 | | ug/kg | 3940 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-08 | D | Date Collected: | 05/20/10 13:55 |
| Client ID: | SB-107 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 14:53 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 70% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 2390 | | ug/kg | 945 | -- | 20 |
| Aroclor 1254 | 1020 | | ug/kg | 945 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-08 | D | Date Collected: | 05/20/10 13:55 |
| Client ID: | SB-107 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 14:53 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 70% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 945 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 945 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 945 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 945 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 945 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 945 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 945 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-09 | D | Date Collected: | 05/20/10 13:55 |
| Client ID: | SB-107 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 15:05 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 32300 | | ug/kg | 7130 | -- | 200 |
| Aroclor 1254 | 14700 | | ug/kg | 7130 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-09 | D | Date Collected: | 05/20/10 13:55 |
| Client ID: | SB-107 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 15:05 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7130 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7130 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7130 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7130 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7130 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7130 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7130 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-10 | D | Date Collected: | 05/20/10 13:55 |
| Client ID: | SB-107 (3'-4') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 15:18 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 95% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 18000 | | ug/kg | 7010 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-10 | D | Date Collected: | 05/20/10 13:55 |
| Client ID: | SB-107 (3'-4') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/25/10 01:50 |
| Analytical Date: | 05/27/10 15:18 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/26/10 |
| Percent Solids: | 95% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/26/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7010 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7010 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7010 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7010 | -- | 200 |
| Aroclor 1248 | 50200 | | ug/kg | 7010 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7010 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7010 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7010 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-11 | D | Date Collected: | 05/20/10 13:55 |
| Client ID: | SB-107 (4'-5') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 09:18 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 82% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 40100 | | ug/kg | 4150 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-11 | D | Date Collected: | 05/20/10 13:55 |
| Client ID: | SB-107 (4'-5') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 09:18 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 82% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 4150 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 4150 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 4150 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 4150 | -- | 100 |
| Aroclor 1254 | ND | | ug/kg | 4150 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 4150 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 4150 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 4150 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-12 | D | Date Collected: | 05/20/10 09:25 |
| Client ID: | SB-114 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 09:31 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1254 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3780 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-12 | D | Date Collected: | 05/20/10 09:25 |
| Client ID: | SB-114 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 09:31 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 31000 | | ug/kg | 3780 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-13 | D | Date Collected: | 05/20/10 09:25 |
| Client ID: | SB-114 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 11:08 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 82% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 775 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 775 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 775 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 775 | -- | 20 |
| Aroclor 1248 | 4470 | | ug/kg | 775 | -- | 20 |
| Aroclor 1254 | 2020 | | ug/kg | 775 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 775 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 775 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 775 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007699-14 | Date Collected: | 05/20/10 09:25 |
| Client ID: | SB-114 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 09:43 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 92 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007699-15 | Date Collected: | 05/20/10 09:25 |
| Client ID: | SB-114 (3'-4') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 09:55 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 32.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 32.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 32.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 32.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 32.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 32.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 32.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 32.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 | A |
| Decachlorobiphenyl | 87 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-16 | D | Date Collected: | 05/20/10 09:50 |
| Client ID: | SB-115 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 11:20 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 191000 | -- | 5000 |
| Aroclor 1221 | ND | | ug/kg | 191000 | -- | 5000 |
| Aroclor 1232 | ND | | ug/kg | 191000 | -- | 5000 |
| Aroclor 1242 | ND | | ug/kg | 191000 | -- | 5000 |
| Aroclor 1254 | ND | | ug/kg | 191000 | -- | 5000 |
| Aroclor 1260 | ND | | ug/kg | 191000 | -- | 5000 |
| Aroclor 1262 | ND | | ug/kg | 191000 | -- | 5000 |
| Aroclor 1268 | ND | | ug/kg | 191000 | -- | 5000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-16 | D | Date Collected: | 05/20/10 09:50 |
| Client ID: | SB-115 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 11:20 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 630000 | | ug/kg | 191000 | -- | 5000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-17 | D | Date Collected: | 05/20/10 09:50 |
| Client ID: | SB-115 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 11:32 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 96500 | | ug/kg | 18900 | -- | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007699-17 | D | Date Collected: | 05/20/10 09:50 |
| Client ID: | SB-115 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 11:32 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 18900 | -- | 500 |
| Aroclor 1221 | ND | | ug/kg | 18900 | -- | 500 |
| Aroclor 1232 | ND | | ug/kg | 18900 | -- | 500 |
| Aroclor 1242 | ND | | ug/kg | 18900 | -- | 500 |
| Aroclor 1254 | ND | | ug/kg | 18900 | -- | 500 |
| Aroclor 1260 | ND | | ug/kg | 18900 | -- | 500 |
| Aroclor 1262 | ND | | ug/kg | 18900 | -- | 500 |
| Aroclor 1268 | ND | | ug/kg | 18900 | -- | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007699-18 | Date Collected: | 05/20/10 09:50 |
| Client ID: | SB-115 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 10:07 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 | A |
| Decachlorobiphenyl | 92 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | B |
| Decachlorobiphenyl | 92 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007699-18 | Date Collected: | 05/20/10 09:50 |
| Client ID: | SB-115 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 10:07 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 224 | | ug/kg | 33.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 | A |
| Decachlorobiphenyl | 92 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | B |
| Decachlorobiphenyl | 92 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/27/10 11:02
Analyst: JB

Extraction Method: EPA 3540C
Extraction Date: 05/25/10 01:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/26/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/26/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-06,08-10 Batch: WG414391-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.4 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | A |
| Decachlorobiphenyl | 112 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | B |
| Decachlorobiphenyl | 100 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/27/10 19:53
Analyst: JB

Extraction Method: EPA 3540C
Extraction Date: 05/26/10 01:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/27/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/27/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 07,11-18 Batch: WG414598-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 | A |
| Decachlorobiphenyl | 90 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 122 | | 30-150 | B |
| Decachlorobiphenyl | 114 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-06,08-10 Batch: WG414391-2 WG414391-3 | | | | | | | | |
| Aroclor 1016 | 102 | | 77 | | 40-140 | 28 | | 50 |
| Aroclor 1260 | 103 | | 94 | | 40-140 | 9 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 65 | | 30-150 | A |
| Decachlorobiphenyl | 120 | | 118 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 72 | | 30-150 | B |
| Decachlorobiphenyl | 110 | | 97 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 07,11-18 Batch: WG414598-2 WG414598-3 | | | | | | | | |
| Aroclor 1016 | 103 | | 113 | | 40-140 | 9 | | 50 |
| Aroclor 1260 | 101 | | 100 | | 40-140 | 1 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 86 | | 30-150 | A |
| Decachlorobiphenyl | 95 | | 98 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 105 | | 118 | | 30-150 | B |
| Decachlorobiphenyl | 104 | | 105 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007699-01
Client ID: SB-105 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 11:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 05/26/10 12:52 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007699-02
Client ID: SB-105 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 11:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 80 | | % | 0.10 | NA | 1 | - | 05/26/10 12:52 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007699-03
Client ID: SB-105 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 11:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 05/26/10 12:52 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007699-04
Client ID: SB-106 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 11:35
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 05/26/10 12:52 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007699-05
Client ID: SB-106 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 11:35
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 05/26/10 12:52 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007699-06
Client ID: SB-106 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 11:35
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 05/26/10 12:52 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007699-07
Client ID: SB-107 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:55
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 81 | | % | 0.10 | NA | 1 | - | 05/26/10 12:52 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007699-08
Client ID: SB-107 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:55
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 70 | | % | 0.10 | NA | 1 | - | 05/26/10 12:52 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007699-09
Client ID: SB-107 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:55
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 05/26/10 12:52 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007699-10
Client ID: SB-107 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:55
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 05/26/10 12:52 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007699-11
Client ID: SB-107 (4'-5')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:55
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | NA | 1 | - | 05/26/10 12:52 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007699-12
Client ID: SB-114 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 09:25
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 05/26/10 12:52 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007699-13
Client ID: SB-114 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 09:25
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | NA | 1 | - | 05/26/10 12:52 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007699-14
Client ID: SB-114 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 09:25
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 05/26/10 12:52 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007699-15
Client ID: SB-114 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 09:25
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 05/26/10 12:52 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007699-16
Client ID: SB-115 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 09:50
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/26/10 12:52 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007699-17
Client ID: SB-115 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 09:50
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/26/10 12:52 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007699-18
Client ID: SB-115 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 09:50
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 05/26/10 12:52 | 30,2540G | AC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG414686-1 QC Sample: L1007699-01 Client ID: SB-105 (0'-1') | | | | | | |
| Solids, Total | 87 | 87 | % | 0 | | 20 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007699
**Report Date:** 05/28/10

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| A | Absent |
| B | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007699-01A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-02A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-03A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-04A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-05A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-06A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-07A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-07B | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-07C | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-08A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-09A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-10A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-11A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-12A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-13A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-14A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-15A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-16A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-17A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007699-18A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007699 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/28/10 |

## GLOSSARY

***Acronyms***

EPA · Environmental Protection Agency.

LCS · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD · Laboratory Control Sample Duplicate: Refer to LCS.

MDL · Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD · Matrix Spike Sample Duplicate: Refer to MS.

NA · Not Applicable.

NC · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI · Not Ignitable.

RL · Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007699 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/28/10 |

***Data Qualifiers***

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007699 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/28/10 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised May 19, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

**Analytes Not Accredited by NELAP**
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

# CHAIN OF CUSTODY

PAGE 9 OF 17

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007699


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: W+C

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 MAIN ST

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5/28/10 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| | |

Other Project Specific Requirements/Comments/Detection Limits:

< 1 mg/kg

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs (8082) w/ soxhlet | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07699.1 | SB-105 (0'-1') | 5/20/10 | 1120 | S | GR | X | Results expected | 1 |
| 2 | SB-105 (1'-2') | | | | | X | ≈ 1 to 10 mg/kg | 1 |
| 3 | SB-105 (2'-3') | | | | | X | | 1 |
| 4 | SB-106 (0'-1') | | 1135 | | | X | | 1 |
| 5 | SB-106 (1'-2') | | | | | X | | 1 |
| 6 | SB-106 (2'-3') | | | | | X | | 1 |
| 7 | SB-107 (0'-1') | | 1355 | | | X | | 1 |
| 7 MS | SB-107 (0'-1') MS | | | | | X | | 1 |
| 7 MSD | SB-107 (0'-1') MSD | | | | | X | | 1 |
| 8 | SB-107 (1'-2') | | | | | X | | 1 |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1600 | | 5/21/10 17:35 |
| | 5/21/10 19:55 | | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 10 OF 17

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007699

**Client Information**

Client: WPC
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 INDIA ST
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5/28/10 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| | |

Other Project Specific Requirements/Comments/Detection Limits:

< 1 mg/kg

ANALYSIS: PCB's (8082 w/soxhlet)

**SAMPLE HANDLING**
Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's (8082 w/soxhlet) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07699.10 | SB-107 (2'-3') | 5/20/10 | 1355 | S | GR | X | Results expected | 1 |
| 10 11 | SB-107 (3'-4') | | | | | X | ≥ 50 mg/kg | 1 |
| 11 12 | SB-107 (4'-5') | | | | | X | | 1 |
| 12 13 | SB-114 (0'-1') | | 925 | | | X | ≥ 10 to 50 mg/kg | 1 |
| 13 14 | SB-114 (1'-2') | | | | | X | | 1 |
| 14 15 | SB-114 (2'-3') | | | | | X | | 1 |
| 15 16 | SB-114 (3'-4') | | | | | X | | 1 |
| 16 17 | SB-115 (0'-1') | | 950 | | | X | | 1 |
| 17 18 | SB-115 (1'-2') | | | | | X | | 1 |
| 18 19 | SB-115 (2'-3') | | | | | X | | 1 |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1600 | | 5/21/10 |
| | 5/21/10 | | 5/21/10 1735 |
| | 5/21/10 19:55 | | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1007700 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Phone: | (401) 273-1007 |
| Project Name: | 1 INDIA STREET |
| Project Number: | 0222610.01 |
| Report Date: | 05/28/10 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1007700-01 | SB-115 (3'-4') | PROVIDENCE | 05/20/10 09:50 |
| L1007700-02 | SB-116 (0'-1') | PROVIDENCE | 05/20/10 10:20 |
| L1007700-03 | SB-116 (1'-2') | PROVIDENCE | 05/20/10 10:20 |
| L1007700-04 | SB-116 (2'-3') | PROVIDENCE | 05/20/10 10:20 |
| L1007700-05 | SB-116 (3'-4') | PROVIDENCE | 05/20/10 10:20 |
| L1007700-06 | SB-116 (4'-5') | PROVIDENCE | 05/20/10 10:20 |
| L1007700-07 | SB-117 (0'-1') | PROVIDENCE | 05/20/10 10:40 |
| L1007700-08 | SB-117 (1'-2') | PROVIDENCE | 05/20/10 10:40 |
| L1007700-09 | SB-117 (2'-3') | PROVIDENCE | 05/20/10 10:40 |
| L1007700-10 | SB-117 (3'-4') | PROVIDENCE | 05/20/10 10:40 |
| L1007700-11 | SB-117 (4'-5') | PROVIDENCE | 05/20/10 10:40 |
| L1007700-12 | SB-117 (5'-6') | PROVIDENCE | 05/20/10 10:40 |
| L1007700-13 | SB-117 (6'-7') | PROVIDENCE | 05/20/10 10:40 |
| L1007700-14 | SB-118 (0'-1') | PROVIDENCE | 05/20/10 13:15 |
| L1007700-15 | SB-118 (1'-2') | PROVIDENCE | 05/20/10 13:15 |
| L1007700-16 | SB-118 (2'-3') | PROVIDENCE | 05/20/10 13:15 |
| L1007700-17 | SB-118 (3'-4') | PROVIDENCE | 05/20/10 13:15 |
| L1007700-18 | SB-118 (4'-5') | PROVIDENCE | 05/20/10 13:15 |
| L1007700-19 | SB-118 (5'-6') | PROVIDENCE | 05/20/10 13:15 |
| L1007700-20 | SB-118 (6'-7') | PROVIDENCE | 05/20/10 13:15 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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PCB

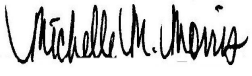
L1007700-02, -03, -06, -08 through -13 and -16 through -19 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L1007700-02, -03, -06, -08 through -13 and -16 through -19 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (All at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analysis are reported.

The dual column RPD for L1007700-04 and -05 is above the acceptance criteria for Aroclor 1248; however, no obvious column interferences are present. The higher of the two results is reported and qualified with a "P".

The surrogate recoveries for the WG414599-3 LCSD associated with L1007700-06 through -20 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%). The LCSD spike compounds are within overall method allowances; therefore, no further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 05/28/10

# ORGANICS

# PCBS

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007700-01 | Date Collected: | 05/20/10 09:50 |
| Client ID: | SB-115 (3'-4') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 14:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 95 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | B |
| Decachlorobiphenyl | 88 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007700-01 | Date Collected: | 05/20/10 09:50 |
| Client ID: | SB-115 (3'-4') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 14:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 106 | | ug/kg | 37.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 95 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | B |
| Decachlorobiphenyl | 88 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-02 | D | Date Collected: | 05/20/10 10:20 |
| Client ID: | SB-116 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 09:11 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 95600 | -- | 2500 |
| Aroclor 1221 | ND | | ug/kg | 95600 | -- | 2500 |
| Aroclor 1232 | ND | | ug/kg | 95600 | -- | 2500 |
| Aroclor 1242 | ND | | ug/kg | 95600 | -- | 2500 |
| Aroclor 1248 | 362000 | | ug/kg | 95600 | -- | 2500 |
| Aroclor 1254 | 188000 | | ug/kg | 95600 | -- | 2500 |
| Aroclor 1260 | ND | | ug/kg | 95600 | -- | 2500 |
| Aroclor 1262 | ND | | ug/kg | 95600 | -- | 2500 |
| Aroclor 1268 | ND | | ug/kg | 95600 | -- | 2500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-03 | D | Date Collected: | 05/20/10 10:20 |
| Client ID: | SB-116 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 11:08 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 18700 | -- | 500 |
| Aroclor 1221 | ND | | ug/kg | 18700 | -- | 500 |
| Aroclor 1232 | ND | | ug/kg | 18700 | -- | 500 |
| Aroclor 1242 | ND | | ug/kg | 18700 | -- | 500 |
| Aroclor 1248 | 45000 | | ug/kg | 18700 | -- | 500 |
| Aroclor 1254 | 18800 | | ug/kg | 18700 | -- | 500 |
| Aroclor 1260 | ND | | ug/kg | 18700 | -- | 500 |
| Aroclor 1262 | ND | | ug/kg | 18700 | -- | 500 |
| Aroclor 1268 | ND | | ug/kg | 18700 | -- | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007700-04 | Date Collected: | 05/20/10 10:20 |
| Client ID: | SB-116 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 10:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 70% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 47.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 47.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 47.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 47.4 | -- | 1 |
| Aroclor 1248 | 216 | P | ug/kg | 47.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 47.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 47.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 47.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 | A |
| Decachlorobiphenyl | 122 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 | B |
| Decachlorobiphenyl | 108 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007700-04 | Date Collected: | 05/20/10 10:20 |
| Client ID: | SB-116 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 10:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 70% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1254 | 109 | | ug/kg | 47.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 | A |
| Decachlorobiphenyl | 122 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 | B |
| Decachlorobiphenyl | 108 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007700-05 | Date Collected: | 05/20/10 10:20 |
| Client ID: | SB-116 (3'-4') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 10:43 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1248 | 45.3 | P | ug/kg | 33.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | A |
| Decachlorobiphenyl | 101 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 102 | | 30-150 | B |
| Decachlorobiphenyl | 100 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
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**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-06 | D | Date Collected: | 05/20/10 10:20 |
| Client ID: | SB-116 (4'-5') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/27/10 23:49 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3640 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3640 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3640 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3640 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3640 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3640 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3640 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-06 | D | Date Collected: | 05/20/10 10:20 |
| Client ID: | SB-116 (4'-5') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/27/10 23:49 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 16700 | | ug/kg | 3640 | -- | 100 |
| Aroclor 1254 | 8950 | | ug/kg | 3640 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007700-07 | Date Collected: | 05/20/10 10:40 |
| Client ID: | SB-117 (0'-1') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 13:26 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1254 | 173 | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 95 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 | B |
| Decachlorobiphenyl | 82 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007700-07 | Date Collected: | 05/20/10 10:40 |
| Client ID: | SB-117 (0'-1') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 13:26 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 208 | | ug/kg | 35.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 95 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 | B |
| Decachlorobiphenyl | 82 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-08 | D | Date Collected: | 05/20/10 10:40 |
| Client ID: | SB-117 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 00:14 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3670 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3670 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3670 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3670 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3670 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3670 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3670 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-08 | D | Date Collected: | 05/20/10 10:40 |
| Client ID: | SB-117 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 00:14 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 11000 | | ug/kg | 3670 | -- | 100 |
| Aroclor 1254 | 9220 | | ug/kg | 3670 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-09 | D | Date Collected: | 05/20/10 10:40 |
| Client ID: | SB-117 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 00:26 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3570 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3570 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3570 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3570 | -- | 100 |
| Aroclor 1248 | 8900 | | ug/kg | 3570 | -- | 100 |
| Aroclor 1254 | 6180 | | ug/kg | 3570 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3570 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3570 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3570 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-10 | D | Date Collected: | 05/20/10 10:40 |
| Client ID: | SB-117 (3'-4') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 00:38 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3500 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3500 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3500 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3500 | -- | 100 |
| Aroclor 1248 | 11600 | | ug/kg | 3500 | -- | 100 |
| Aroclor 1254 | 9400 | | ug/kg | 3500 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3500 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3500 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3500 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-11 | D | Date Collected: | 05/20/10 10:40 |
| Client ID: | SB-117 (4'-5') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 00:50 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 32100 | | ug/kg | 3840 | -- | 100 |
| Aroclor 1254 | 62100 | | ug/kg | 3840 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-11 | D | Date Collected: | 05/20/10 10:40 |
| Client ID: | SB-117 (4'-5') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 00:50 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3840 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3840 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3840 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3840 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3840 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3840 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3840 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-12 | D | Date Collected: | 05/20/10 10:40 |
| Client ID: | SB-117 (5'-6') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 16:45 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 68% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 48200 | -- | 1000 |
| Aroclor 1221 | ND | | ug/kg | 48200 | -- | 1000 |
| Aroclor 1232 | ND | | ug/kg | 48200 | -- | 1000 |
| Aroclor 1242 | ND | | ug/kg | 48200 | -- | 1000 |
| Aroclor 1260 | ND | | ug/kg | 48200 | -- | 1000 |
| Aroclor 1262 | ND | | ug/kg | 48200 | -- | 1000 |
| Aroclor 1268 | ND | | ug/kg | 48200 | -- | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-12 | D | Date Collected: | 05/20/10 10:40 |
| Client ID: | SB-117 (5'-6') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 16:45 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 68% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 221000 | | ug/kg | 48200 | -- | 1000 |
| Aroclor 1254 | 106000 | | ug/kg | 48200 | -- | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-13 | D | Date Collected: | 05/20/10 10:40 |
| Client ID: | SB-117 (6'-7') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 01:14 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 21200 | | ug/kg | 3880 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-13 | D | Date Collected: | 05/20/10 10:40 |
| Client ID: | SB-117 (6'-7') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 01:14 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3880 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3880 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3880 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3880 | -- | 100 |
| Aroclor 1254 | 10900 | | ug/kg | 3880 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3880 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3880 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3880 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007700-14 | Date Collected: | 05/20/10 13:15 |
| Client ID: | SB-118 (0'-1') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 13:38 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 91 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | B |
| Decachlorobiphenyl | 78 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007700-15 | Date Collected: | 05/20/10 13:15 |
| Client ID: | SB-118 (1'-2') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 13:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 | A |
| Decachlorobiphenyl | 80 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 72 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-16 | D | Date Collected: | 05/20/10 13:15 |
| Client ID: | SB-118 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 15:28 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 4940 | | ug/kg | 1840 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-16 | D | Date Collected: | 05/20/10 13:15 |
| Client ID: | SB-118 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 15:28 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1840 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1840 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1840 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1840 | -- | 50 |
| Aroclor 1248 | 3470 | | ug/kg | 1840 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1840 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1840 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1840 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-17 | D | Date Collected: | 05/20/10 13:15 |
| Client ID: | SB-118 (3'-4') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 02:15 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1254 | 4790 | | ug/kg | 3780 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3780 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-17 | D | Date Collected: | 05/20/10 13:15 |
| Client ID: | SB-118 (3'-4') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 02:15 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 4140 | | ug/kg | 3780 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-18 | D | Date Collected: | 05/20/10 13:15 |
| Client ID: | SB-118 (4'-5') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 02:40 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 76% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 4180 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 4180 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 4180 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 4180 | -- | 100 |
| Aroclor 1254 | 57000 | | ug/kg | 4180 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 4180 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 4180 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 4180 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-18 | D | Date Collected: | 05/20/10 13:15 |
| Client ID: | SB-118 (4'-5') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 02:40 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 76% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 68300 | | ug/kg | 4180 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-19 | D | Date Collected: | 05/20/10 13:15 |
| Client ID: | SB-118 (5'-6') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 16:57 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 79% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 41400 | -- | 1000 |
| Aroclor 1221 | ND | | ug/kg | 41400 | -- | 1000 |
| Aroclor 1232 | ND | | ug/kg | 41400 | -- | 1000 |
| Aroclor 1242 | ND | | ug/kg | 41400 | -- | 1000 |
| Aroclor 1248 | 363000 | | ug/kg | 41400 | -- | 1000 |
| Aroclor 1260 | ND | | ug/kg | 41400 | -- | 1000 |
| Aroclor 1262 | ND | | ug/kg | 41400 | -- | 1000 |
| Aroclor 1268 | ND | | ug/kg | 41400 | -- | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007700-19 | D | Date Collected: | 05/20/10 13:15 |
| Client ID: | SB-118 (5'-6') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 16:57 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 79% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 177000 | | ug/kg | 41400 | -- | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007700-20 | Date Collected: | 05/20/10 13:15 |
| Client ID: | SB-118 (6'-7') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 14:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.3 | -- | 1 |
| Aroclor 1248 | 125 | | ug/kg | 37.3 | -- | 1 |
| Aroclor 1254 | 78.3 | | ug/kg | 37.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | A |
| Decachlorobiphenyl | 110 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | B |
| Decachlorobiphenyl | 78 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/27/10 19:53
Analyst: JB

Extraction Method: EPA 3540C
Extraction Date: 05/26/10 01:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/27/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/27/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-05 Batch: WG414598-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 | A |
| Decachlorobiphenyl | 90 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 122 | | 30-150 | B |
| Decachlorobiphenyl | 114 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/27/10 21:35
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 05/26/10 01:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/28/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/28/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 06-20 Batch: WG414599-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 | A |
| Decachlorobiphenyl | 105 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 51 | | 30-150 | B |
| Decachlorobiphenyl | 83 | | 30-150 | B |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 06-20 QC Batch ID: WG414599-4 WG414599-5 QC Sample: L1007701-08 Client ID: MS Sample | | | | | | | | | | | | |
| Aroclor 1016 | ND | 233 | 391 | **168** | Q | 424 | **180** | Q | 40-140 | 7 | | 50 |
| Aroclor 1260 | ND | 233 | 601 | **258** | Q | 431 | **183** | Q | 40-140 | 34 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria | *Column* |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 81 | | 30-150 | A |
| Decachlorobiphenyl | 98 | | 100 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 80 | | 30-150 | B |
| Decachlorobiphenyl | 72 | | 82 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG414598-2 WG414598-3 | | | | | | | | |
| Aroclor 1016 | 103 | | 113 | | 40-140 | 9 | | 50 |
| Aroclor 1260 | 101 | | 100 | | 40-140 | 1 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 86 | | 30-150 | A |
| Decachlorobiphenyl | 95 | | 98 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 105 | | 118 | | 30-150 | B |
| Decachlorobiphenyl | 104 | | 105 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 06-20 Batch: WG414599-2 WG414599-3 | | | | | | | | |
| Aroclor 1016 | 113 | | 75 | | 40-140 | 40 | | 50 |
| Aroclor 1260 | 119 | | 92 | | 40-140 | 26 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 4 | Q | 30-150 | A |
| Decachlorobiphenyl | 121 | | 104 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 4 | Q | 30-150 | B |
| Decachlorobiphenyl | 77 | | 91 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-01
Client ID: SB-115 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 09:50
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-02
Client ID: SB-116 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 10:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-03
Client ID: SB-116 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 10:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-04
Client ID: SB-116 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 10:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 70 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-05
Client ID: SB-116 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 10:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-06
Client ID: SB-116 (4'-5')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 10:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-07
Client ID: SB-117 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 10:40
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-08
Client ID: SB-117 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 10:40
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-09
Client ID: SB-117 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 10:40
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-10
Client ID: SB-117 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 10:40
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-11
Client ID: SB-117 (4'-5')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 10:40
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-12
Client ID: SB-117 (5'-6')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 10:40
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 68 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-13
Client ID: SB-117 (6'-7')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 10:40
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-14
Client ID: SB-118 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-15
Client ID: SB-118 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-16
Client ID: SB-118 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-17
Client ID: SB-118 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-18
Client ID: SB-118 (4'-5')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 76 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-19
Client ID: SB-118 (5'-6')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 79 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## SAMPLE RESULTS

Lab ID: L1007700-20
Client ID: SB-118 (6'-7')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 05/27/10 10:42 | 30,2540G | AC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG414873-1 QC Sample: L1007700-01 Client ID: SB-115 (3'-4') | | | | | | |
| Solids, Total | 86 | 85 | % | 1 | | 20 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007700
**Report Date:** 05/28/10

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007700-01A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-02A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-03A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-04A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-05A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-06A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-07A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-08A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-09A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-10A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-11A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-12A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-13A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-14A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-15A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-16A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-17A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-18A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-19A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007700-20A | Amber 120ml unpreserved | A | N/A | 6 | Y | Absent | TS(7),PCB-8082() |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007700 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/28/10 |

## GLOSSARY

***Acronyms***

EPA · Environmental Protection Agency.

LCS · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD · Laboratory Control Sample Duplicate: Refer to LCS.

MDL · Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD · Matrix Spike Sample Duplicate: Refer to MS.

NA · Not Applicable.

NC · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI · Not Ignitable.

RL · Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007700 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/28/10 |

***Data Qualifiers***

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007700 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/28/10 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised May 19, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

**Analytes Not Accredited by NELAP**
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

# CHAIN OF CUSTODY

PAGE 11 OF 17

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L100700


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: WEC

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 INDIA ST

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5/28/10 Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| | |

Other Project Specific Requirements/Comments/Detection Limits:

<1 mg/kg

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB's 8082 w/soxhlet | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07700 1 | SB-115 (3'-4') | 5/20/10 | 950 | S | GR | X | Results expected | 1 |
| 2 | SB-116 (0'-1') | | 1020 | | | X | 10 mg/kg up to | 1 |
| 3 | SB-116 (1'-2') | | | | | X | 1000 mg/kg | 1 |
| 4 | SB-116 (2'-3') | | | | | X | | 1 |
| 5 | SB-116 (3'-4') | | | | | X | | 1 |
| 6 | SB-116 (4'-5') | | | | | X | | 1 |
| 7 | SB-117 (0'-1') | | 1040 | | | X | | 1 |
| 8 | SB-117 (1'-2') | | | | | X | | 1 |
| 9 | SB-117 (2'-3') | | | | | X | | 1 |
| 10 | SB-117 (3'-4') | | | | | X | | 1 |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1600 | | 5/21/10 |
| | 5/21/10 | | 5/21/10 17:35 |
| | 5/21/10 19:55 | | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 12 OF 17

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1005720

**Client Information**

Client: Woodard + Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5/28/10 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| EPA/BI | |

Other Project Specific Requirements/Comments/Detection Limits:

below 1 mg/kg

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: ACBS (8082 w/ congeners) | SAMPLE HANDLING: Filtration ☐ Done ☐ Not needed ☐ Lab to do; Preservation ☐ Lab to do (Please specify below) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|
| 0720.11 | SB-117 (4'-5') | 5/20/10 | 1040 | S | GR | X | | Results expected ≥ 10 mg/kg up to 1000 mg/kg | 1 |
| 12 | SB-117 (5'-6') | | | | | X | | | 1 |
| 13 | SB-117 (6'-7') | | | | | X | | | 1 |
| 14 | SB-118 (0'-1') | | 1315 | | | X | | | 1 |
| 15 | SB-118 (1'-2') | | | | | X | | | 1 |
| 16 | SB-118 (2'-3') | | | | | X | | | 1 |
| 17 | SB-118 (3'-4') | | | | | X | | | 1 |
| 18 | SB-118 (4'-5') | | | | | X | | | 1 |
| 19 | SB-118 (5'-6') | | | | | X | | | 1 |
| 20 | SB-118 (6'-7') | | | | | X | | | 1 |
| | | | | | Container Type | A | | | |
| | | | | | Preservative | A | | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1600 | | 5/21/10 |
| | 5/21/10 19:55 | | 5/21/10 17:35 |
| | | | 5/21/10 1900 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1007701 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Phone: | (401) 273-1007 |
| Project Name: | 1 INDIA STREET |
| Project Number: | 0222610.01 |
| Report Date: | 05/29/10 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1007701-01 | SB-119 (0'-1') | PROVIDENCE | 05/20/10 13:35 |
| L1007701-02 | SB-119 (1'-2') | PROVIDENCE | 05/20/10 13:35 |
| L1007701-03 | SB-119 (2'-3') | PROVIDENCE | 05/20/10 13:35 |
| L1007701-04 | SB-119 (2'-3') DUP | PROVIDENCE | 05/20/10 13:35 |
| L1007701-05 | SB-119 (3'-4') | PROVIDENCE | 05/20/10 13:35 |
| L1007701-06 | SB-120 (0'-1') | PROVIDENCE | 05/20/10 13:45 |
| L1007701-07 | SB-120 (1'-2') | PROVIDENCE | 05/20/10 13:45 |
| L1007701-08 | SB-120 (2'-3') | PROVIDENCE | 05/20/10 13:45 |
| L1007701-09 | SB-120 (3'-4') | PROVIDENCE | 05/20/10 13:45 |
| L1007701-10 | SB-108 (0'-1') | PROVIDENCE | 05/21/10 08:45 |
| L1007701-11 | SB-108 (0'-1') DUP | PROVIDENCE | 05/21/10 08:45 |
| L1007701-12 | SB-109 (0'-1') | PROVIDENCE | 05/21/10 09:40 |
| L1007701-13 | SB-109 (1'-2') | PROVIDENCE | 05/21/10 09:40 |
| L1007701-14 | SB-109 (1'-2') DUP | PROVIDENCE | 05/21/10 09:40 |
| L1007701-15 | SB-110 (0'-1') | PROVIDENCE | 05/21/10 09:30 |
| L1007701-16 | SB-110 (1'-2') | PROVIDENCE | 05/21/10 09:30 |

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007701 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/29/10 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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Report Submission

This final report replaces the partial report issued May 28, 2010. The results of all requested analyses are reported.

PCB

L1007701-01 through -04, -06, -07, -08 and -10 through -15 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1007701-05 has elevated detection limits due to the dilution required by the sample matrix.

The surrogate recoveries for L1007701-01 through -04, -06, -07, -08, -10, -11, -12 and -15 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (All at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analysis are reported.

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007701 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/29/10 |

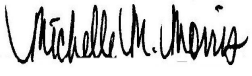
**Case Narrative (continued)**

The WG414599-4/-5 MS/MSD recoveries, performed on L1007701-08, are outside the acceptance criteria for Aroclor 1016 (168%/180%) and Aroclor 1260 (258%/183%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the sample utilized for the MS/MSD.

The surrogate recoveries for the WG414771-5 MSD, performed on L1007701-16, are above the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (152%/161%) and Decachlorobiphenyl (156%). The associated MSD spike compounds are within overall acceptance criteria; therefore, no further action was taken.

The surrogate recoveries for the WG414599-3 LCSD, associated with L1007701-01 through -04 and -08, are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%). The LCSD spike compounds are within overall method allowances; therefore, no further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 05/29/10

# ORGANICS

# PCBS

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-01 | D | Date Collected: | 05/20/10 13:35 |
| Client ID: | SB-119 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 14:27 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1248 | 7440 | | ug/kg | 1780 | -- | 50 |
| Aroclor 1254 | 6780 | | ug/kg | 1780 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1780 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-02 | D | Date Collected: | 05/20/10 13:35 |
| Client ID: | SB-119 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 16:33 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 773 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 773 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 773 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 773 | -- | 20 |
| Aroclor 1248 | 5560 | | ug/kg | 773 | -- | 20 |
| Aroclor 1254 | 5080 | | ug/kg | 773 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 773 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 773 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 773 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-03 | D | Date Collected: | 05/20/10 13:35 |
| Client ID: | SB-119 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 15:52 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 95% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 860 | | ug/kg | 341 | -- | 10 |
| Aroclor 1254 | 1220 | | ug/kg | 341 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-03 | D | Date Collected: | 05/20/10 13:35 |
| Client ID: | SB-119 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 15:52 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 95% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 341 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 341 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 341 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 341 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 341 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 341 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 341 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-04 | D | Date Collected: | 05/20/10 13:35 |
| Client ID: | SB-119 (2'-3') DUP | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 14:51 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 95% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 338 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 338 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 338 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 338 | -- | 10 |
| Aroclor 1254 | 1240 | | ug/kg | 338 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 338 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 338 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 338 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-04 | D | Date Collected: | 05/20/10 13:35 |
| Client ID: | SB-119 (2'-3') DUP | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 14:51 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 95% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 755 | | ug/kg | 338 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-05 | D | Date Collected: | 05/20/10 13:35 |
| Client ID: | SB-119 (3'-4') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:49 |
| Analytical Date: | 05/28/10 12:17 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 70.3 | -- | 2 |
| Aroclor 1221 | ND | | ug/kg | 70.3 | -- | 2 |
| Aroclor 1232 | ND | | ug/kg | 70.3 | -- | 2 |
| Aroclor 1242 | ND | | ug/kg | 70.3 | -- | 2 |
| Aroclor 1248 | ND | | ug/kg | 70.3 | -- | 2 |
| Aroclor 1254 | ND | | ug/kg | 70.3 | -- | 2 |
| Aroclor 1260 | ND | | ug/kg | 70.3 | -- | 2 |
| Aroclor 1262 | ND | | ug/kg | 70.3 | -- | 2 |
| Aroclor 1268 | ND | | ug/kg | 70.3 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-06 | D | Date Collected: | 05/20/10 13:45 |
| Client ID: | SB-120 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:49 |
| Analytical Date: | 05/27/10 20:28 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 19500 | -- | 500 |
| Aroclor 1221 | ND | | ug/kg | 19500 | -- | 500 |
| Aroclor 1232 | ND | | ug/kg | 19500 | -- | 500 |
| Aroclor 1242 | ND | | ug/kg | 19500 | -- | 500 |
| Aroclor 1248 | 40900 | | ug/kg | 19500 | -- | 500 |
| Aroclor 1254 | 24000 | | ug/kg | 19500 | -- | 500 |
| Aroclor 1260 | ND | | ug/kg | 19500 | -- | 500 |
| Aroclor 1262 | ND | | ug/kg | 19500 | -- | 500 |
| Aroclor 1268 | ND | | ug/kg | 19500 | -- | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
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**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-07 | D | Date Collected: | 05/20/10 13:45 |
| Client ID: | SB-120 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:49 |
| Analytical Date: | 05/28/10 11:33 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 81% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 4160 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 4160 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 4160 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 4160 | -- | 100 |
| Aroclor 1254 | 28700 | | ug/kg | 4160 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 4160 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 4160 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 4160 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-07 | D | Date Collected: | 05/20/10 13:45 |
| Client ID: | SB-120 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:49 |
| Analytical Date: | 05/28/10 11:33 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 81% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 37900 | | ug/kg | 4160 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-08 | D | Date Collected: | 05/20/10 13:45 |
| Client ID: | SB-120 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 01:50 |
| Analytical Date: | 05/28/10 15:03 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 05/28/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/28/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 370 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 370 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 370 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 370 | -- | 10 |
| Aroclor 1248 | 1150 | | ug/kg | 370 | -- | 10 |
| Aroclor 1254 | 920 | | ug/kg | 370 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 370 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 370 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 370 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007701-09 | Date Collected: | 05/20/10 13:45 |
| Client ID: | SB-120 (3'-4') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 20:49 |
| Analytical Date: | 05/28/10 11:40 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 89 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 106 | | 30-150 |
| Decachlorobiphenyl | 120 | | 30-150 |

**Project Name:** 1 INDIA STREET
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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-10 | D | Date Collected: | 05/21/10 08:45 |
| Client ID: | SB-108 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:49 |
| Analytical Date: | 05/28/10 11:57 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1880 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1880 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1880 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1880 | -- | 50 |
| Aroclor 1248 | 7440 | | ug/kg | 1880 | -- | 50 |
| Aroclor 1254 | 5980 | | ug/kg | 1880 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1880 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1880 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1880 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-11 | D | Date Collected: | 05/21/10 08:45 |
| Client ID: | SB-108 (0'-1') DUP | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:49 |
| Analytical Date: | 05/28/10 12:10 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 9980 | | ug/kg | 1960 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-11 | D | Date Collected: | 05/21/10 08:45 |
| Client ID: | SB-108 (0'-1') DUP | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:49 |
| Analytical Date: | 05/28/10 12:10 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1960 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1960 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1960 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1960 | -- | 50 |
| Aroclor 1248 | 13000 | | ug/kg | 1960 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1960 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1960 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1960 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-12 | D | Date Collected: | 05/21/10 09:40 |
| Client ID: | SB-109 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:49 |
| Analytical Date: | 05/28/10 11:20 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3920 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3920 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3920 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3920 | -- | 100 |
| Aroclor 1254 | 16700 | | ug/kg | 3920 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3920 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3920 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3920 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-12 | D | Date Collected: | 05/21/10 09:40 |
| Client ID: | SB-109 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:49 |
| Analytical Date: | 05/28/10 11:20 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 26500 | | ug/kg | 3920 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-13 | D | Date Collected: | 05/21/10 09:40 |
| Client ID: | SB-109 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:49 |
| Analytical Date: | 05/28/10 11:52 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1254 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 184 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 105 | | 30-150 |
| Decachlorobiphenyl | 116 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 |
| Decachlorobiphenyl | 114 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-13 | D | Date Collected: | 05/21/10 09:40 |
| Client ID: | SB-109 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:49 |
| Analytical Date: | 05/28/10 11:52 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 1330 | | ug/kg | 184 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 105 | | 30-150 |
| Decachlorobiphenyl | 116 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 |
| Decachlorobiphenyl | 114 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-14 | D | Date Collected: | 05/21/10 09:40 |
| Client ID: | SB-109 (1'-2') DUP | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:49 |
| Analytical Date: | 05/28/10 12:04 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1254 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 186 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 106 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-14 | D | Date Collected: | 05/21/10 09:40 |
| Client ID: | SB-109 (1'-2') DUP | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:49 |
| Analytical Date: | 05/28/10 12:04 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 942 | | ug/kg | 186 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 106 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-15 | D | Date Collected: | 05/21/10 09:30 |
| Client ID: | SB-110 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:49 |
| Analytical Date: | 05/28/10 11:45 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1830 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1830 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1830 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1830 | -- | 50 |
| Aroclor 1248 | 10300 | | ug/kg | 1830 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1830 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1830 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1830 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007701-15 | D | Date Collected: | 05/21/10 09:30 |
| Client ID: | SB-110 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:49 |
| Analytical Date: | 05/28/10 11:45 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 3760 | | ug/kg | 1830 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007701-16 | Date Collected: | 05/21/10 09:30 |
| Client ID: | SB-110 (1'-2') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 20:51 |
| Analytical Date: | 05/27/10 22:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1248 | 270 | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 86 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007701-16 | Date Collected: | 05/21/10 09:30 |
| Client ID: | SB-110 (1'-2') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 20:51 |
| Analytical Date: | 05/27/10 22:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 144 | | ug/kg | 35.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 86 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/27/10 21:35
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 05/26/10 01:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/28/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/28/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-04,08 Batch: WG414599-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 | A |
| Decachlorobiphenyl | 105 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 51 | | 30-150 | B |
| Decachlorobiphenyl | 83 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/27/10 19:14
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 05/26/10 20:49
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/27/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/27/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 05-07,09-16 Batch: WG414771-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.2 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 |
| Decachlorobiphenyl | 98 | | 30-150 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-04,08 QC Batch ID: WG414599-4 WG414599-5 QC Sample: L1007701-08 Client ID: SB-120 (2'-3') | | | | | | | | | | | | |
| Aroclor 1016 | ND | 233 | 391 | **168** | Q | 424 | **180** | Q | 40-140 | 7 | | 50 |
| Aroclor 1260 | ND | 233 | 601 | **258** | Q | 431 | **183** | Q | 40-140 | 34 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria | *Column* |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 81 | | 30-150 | A |
| Decachlorobiphenyl | 98 | | 100 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 80 | | 30-150 | B |
| Decachlorobiphenyl | 72 | | 82 | | 30-150 | B |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 05-07,09-16 QC Batch ID: WG414771-4 WG414771-5 QC Sample: L1007701-16 Client ID: SB-110 (1'-2') | | | | | | | | | | | | |
| Aroclor 1016 | ND | 229 | 303 | 132 | | 309 | 136 | | 40-140 | 3 | | 50 |
| Aroclor 1260 | ND | 229 | 201 | 88 | | 219 | 96 | | 40-140 | 9 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria | *Column* |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | **152** | Q | 30-150 | A |
| Decachlorobiphenyl | 72 | | 137 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | **161** | Q | 30-150 | B |
| Decachlorobiphenyl | 80 | | **156** | Q | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-04,08 Batch: WG414599-2 WG414599-3 | | | | | | | | |
| Aroclor 1016 | 113 | | 75 | | 40-140 | 40 | | 50 |
| Aroclor 1260 | 119 | | 92 | | 40-140 | 26 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 4 | Q | 30-150 | A |
| Decachlorobiphenyl | 121 | | 104 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 4 | Q | 30-150 | B |
| Decachlorobiphenyl | 77 | | 91 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 05-07,09-16 Batch: WG414771-2 WG414771-3 | | | | | | | | |
| Aroclor 1016 | 95 | | 92 | | 40-140 | 3 | | 50 |
| Aroclor 1260 | 89 | | 98 | | 40-140 | 10 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 95 | | 30-150 |
| Decachlorobiphenyl | 92 | | 98 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 120 | | 30-150 |
| Decachlorobiphenyl | 123 | | 129 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

Lab ID: L1007701-01
Client ID: SB-119 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:35
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 05/27/10 11:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

Lab ID: L1007701-02
Client ID: SB-119 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:35
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/27/10 11:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

Lab ID: L1007701-03
Client ID: SB-119 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:35
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 05/27/10 11:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

Lab ID: L1007701-04
Client ID: SB-119 (2'-3') DUP
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:35
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 05/27/10 11:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

Lab ID: L1007701-05
Client ID: SB-119 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:35
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 05/27/10 11:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

Lab ID: L1007701-06
Client ID: SB-120 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 05/27/10 11:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

Lab ID: L1007701-07
Client ID: SB-120 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 81 | | % | 0.10 | NA | 1 | - | 05/27/10 11:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

Lab ID: L1007701-08
Client ID: SB-120 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 05/27/10 11:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

Lab ID: L1007701-09
Client ID: SB-120 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 05/27/10 11:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

Lab ID: L1007701-10
Client ID: SB-108 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 08:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 05/27/10 11:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

Lab ID: L1007701-11
Client ID: SB-108 (0'-1') DUP
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 08:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 05/27/10 11:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

Lab ID: L1007701-12
Client ID: SB-109 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:40
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 05/27/10 11:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

Lab ID: L1007701-13
Client ID: SB-109 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:40
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 05/27/10 11:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

Lab ID: L1007701-14
Client ID: SB-109 (1'-2') DUP
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:40
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 05/27/10 11:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

Lab ID: L1007701-15
Client ID: SB-110 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:30
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 05/27/10 11:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

## SAMPLE RESULTS

Lab ID: L1007701-16
Client ID: SB-110 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:30
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 05/27/10 11:12 | 30,2540G | AC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG414881-1 QC Sample: L1007701-01 Client ID: SB-119 (0'-1') | | | | | | |
| Solids, Total | 90 | 90 | % | 0 | | 20 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007701
**Report Date:** 05/29/10

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| B | Absent |

### Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007701-01A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-02A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-03A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-04A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-05A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-06A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-07A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-08A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-08B | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-08C | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-09A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-10A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-11A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-12A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-13A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-14A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-15A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-16A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-16B | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007701-16C | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |

### Container Comments

L1007701-08A

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007701 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/29/10 |

## GLOSSARY

***Acronyms***

EPA · Environmental Protection Agency.

LCS · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD · Laboratory Control Sample Duplicate: Refer to LCS.

MDL · Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD · Matrix Spike Sample Duplicate: Refer to MS.

NA · Not Applicable.

NC · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI · Not Ignitable.

RL · Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007701 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/29/10 |

***Data Qualifiers***

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007701 |
| **Project Number:** | 0222610.01 | **Report Date:** | 05/29/10 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised May 19, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

**Analytes Not Accredited by NELAP**
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

# CHAIN OF CUSTODY

PAGE 13 OF 17

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L100779


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: Woodard + Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5/28/10 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| RI / EPA | |

Other Project Specific Requirements/Comments/Detection Limits:

below 1 mg/kg

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs (8082 w/ Soxhlet) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07701 1 | SB-119 (0'-1') | 5/20/10 | 1335 | S | GR | X | Results expected ≥ 10 mg/kg up to 1000 mg/kg | 1 |
| 2 | SB-119 (1'-2') | | | | | X | | 1 |
| 3 | SB-119 (2'-3') | | | | | X | | 1 |
| 4 | SB-119 (2'-3') Dup | | | | | X | | 1 |
| 5 | SB-119 (3'-4') | | 1335 | | | X | | 1 |
| 6 | SB-120 (0'-1') | | 1345 | | | X | | 1 |
| 7 | SB-120 (1'-2') | | | | | X | | 1 |
| 8 | SB-120 (2'-3') | | | | | X | | 1 |
| 8 | SB-120 (2'-3') MS | | | | | X | | 1 |
| 8 | SB-120 (2'-3') MSD | | | | | X | | 1 |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1600 | | 5/21/10 |
| | 5/21/10 19:55 | | 5/21/10 17:33 |
| | | | 5/21/10 1951 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 14 OF 17

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007701


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: Woodard + Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 Indig St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5/28/10 Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| | |

Other Project Specific Requirements/Comments/Detection Limits:

below 1 mg/kg

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs (8082 Soxhlet) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07701. 9 | SB-120 (3'-4') | 5/20/10 | 1345 | S | GR | X | Approx Res unknown | 1 |
| 10 | SB-108 (0'-1') | 5/21/10 | 845 | | | X | Results >10 mg/kg | 1 |
| 11 | SB-108 (0'-1') Dup | | ↓ | | | X | ↓ | 1 |
| 12 | SB-109 (0'-1') | | 940 | | | X | Results Approx unknown | 1 |
| 13 | SB-109 (1'-2') | | ↓ | | | X | ↓ | 1 |
| 14 | SB-109 (1'-2') Dup | | ↓ | | | X | ↓ | 1 |
| 15 | SB-110 (0'-1') | | 930 | | | X | ↓ | 1 |
| 16 | SB-110 (1'-2') | | ↓ | | | X | ↓ | 1 |
| 16 | SB-110 (1'-2') MS | | ↓ | | | X | ↓ | 1 |
| 16 | SB-110 (1'-2') MSD | ↓ | ↓ | ↓ | ↓ | X | ↓ | 1 |
| | | | | | Container Type | A | | |
| | | | | | Preservative | A | | |

**SAMPLE HANDLING**

Filtration

☐ Done ☐ Not needed ☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gillett | 5/21/10 1600 | P. Gillett | 5/21/10 |
| | 5/21/10 19:55 | | 5/21/10 17:23 |
| | | | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1007702 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Phone: | (401) 273-1007 |
| Project Name: | 1 INDIA STREET |
| Project Number: | 0222610.01 |
| Report Date: | 06/02/10 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1007702-01 | SB-111 (0'-1') | PROVIDENCE | 05/21/10 09:20 |
| L1007702-02 | SB-111 (1'-2') | PROVIDENCE | 05/21/10 09:20 |
| L1007702-03 | SB-111 (2'-3') | PROVIDENCE | 05/21/10 09:20 |
| L1007702-04 | SB-111 (3'-4') | PROVIDENCE | 05/21/10 09:20 |
| L1007702-05 | SB-111 (4'-5') | PROVIDENCE | 05/21/10 09:20 |
| L1007702-06 | SB-111 (5'-6') | PROVIDENCE | 05/21/10 09:20 |
| L1007702-07 | SB-111 (6'-7') | PROVIDENCE | 05/21/10 09:20 |
| L1007702-08 | SB-112 (0'-1') | PROVIDENCE | 05/21/10 09:10 |
| L1007702-09 | SB-112 (1'-2') | PROVIDENCE | 05/21/10 09:10 |
| L1007702-10 | SB-112 (2'-3') | PROVIDENCE | 05/21/10 09:10 |
| L1007702-11 | SB-113 (0'-1') | PROVIDENCE | 05/21/10 09:00 |
| L1007702-12 | SB-113 (1'-2') | PROVIDENCE | 05/21/10 09:00 |
| L1007702-13 | SB-113 (2'-3') | PROVIDENCE | 05/21/10 09:00 |
| L1007702-14 | VS-30 (6'-7') | PROVIDENCE | 05/21/10 11:45 |
| L1007702-15 | VS-36 (5'-6') | PROVIDENCE | 05/21/10 10:15 |
| L1007702-16 | VS-36 (6'-7') | PROVIDENCE | 05/21/10 10:15 |
| L1007702-17 | VS-37 (6'-7') | PROVIDENCE | 05/21/10 10:30 |
| L1007702-18 | VS-38 (6'-7') | PROVIDENCE | 05/21/10 10:40 |
| L1007702-19 | VS-39 (6'-7') | PROVIDENCE | 05/21/10 10:50 |
| L1007702-20 | VS-40 (6'-7') | PROVIDENCE | 05/21/10 11:05 |
| L1007702-21 | VS-40 (6'-7') DUP | PROVIDENCE | 05/21/10 11:05 |
| L1007702-22 | VS-41 (6'-7') | PROVIDENCE | 05/21/10 11:15 |
| L1007702-23 | VS-42 (5'-6') | PROVIDENCE | 05/21/10 11:30 |
| L1007702-24 | VS-42 (5'-6') DUP | PROVIDENCE | 05/21/10 11:30 |
| L1007702-25 | VS-42 (6'-7') | PROVIDENCE | 05/21/10 11:30 |

**Project Name:** 1 INDIA STREET **Lab Number:** L1007702
**Project Number:** 0222610.01 **Report Date:** 06/02/10

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

Report Submission

This final report replaces the partial report issued June 01, 2010. The results of all requested analyses are reported.

PCB

L1007702-01 through -06, -08, -09, -11, -12 and -14 through -25 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L1007702-01, -02, -03, -05, -06, -08, -11, -12, -15, and -17 through -25 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (All at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analysis are reported.

The WG414776-4/-5 MS/MSD recoveries for Aroclor 1016 (241%/168%), performed on L1007702-14, are

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007702 |
| **Project Number:** | 0222610.01 | **Report Date:** | 06/02/10 |

**Case Narrative (continued)**

above the method acceptance criteria due to interference with Aroclor 1248 present in the sample.

The WG414776-4/-5 MS/MSD associated with L1007702-15 were not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/02/10

# ORGANICS

# PCBS

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-01 | D | Date Collected: | 05/21/10 09:20 |
| Client ID: | SB-111 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:51 |
| Analytical Date: | 05/28/10 12:57 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 93400 | -- | 2500 |
| Aroclor 1221 | ND | | ug/kg | 93400 | -- | 2500 |
| Aroclor 1232 | ND | | ug/kg | 93400 | -- | 2500 |
| Aroclor 1242 | ND | | ug/kg | 93400 | -- | 2500 |
| Aroclor 1248 | 1170000 | | ug/kg | 93400 | -- | 2500 |
| Aroclor 1254 | ND | | ug/kg | 93400 | -- | 2500 |
| Aroclor 1260 | ND | | ug/kg | 93400 | -- | 2500 |
| Aroclor 1262 | ND | | ug/kg | 93400 | -- | 2500 |
| Aroclor 1268 | ND | | ug/kg | 93400 | -- | 2500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-02 | D | Date Collected: | 05/21/10 09:20 |
| Client ID: | SB-111 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:51 |
| Analytical Date: | 05/28/10 13:09 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 6980 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 6980 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 6980 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 6980 | -- | 200 |
| Aroclor 1248 | 41400 | | ug/kg | 6980 | -- | 200 |
| Aroclor 1254 | ND | | ug/kg | 6980 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 6980 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 6980 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 6980 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-03 | D | Date Collected: | 05/21/10 09:20 |
| Client ID: | SB-111 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:51 |
| Analytical Date: | 05/28/10 13:21 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35800 | -- | 1000 |
| Aroclor 1221 | ND | | ug/kg | 35800 | -- | 1000 |
| Aroclor 1232 | ND | | ug/kg | 35800 | -- | 1000 |
| Aroclor 1242 | ND | | ug/kg | 35800 | -- | 1000 |
| Aroclor 1254 | ND | | ug/kg | 35800 | -- | 1000 |
| Aroclor 1260 | ND | | ug/kg | 35800 | -- | 1000 |
| Aroclor 1262 | ND | | ug/kg | 35800 | -- | 1000 |
| Aroclor 1268 | ND | | ug/kg | 35800 | -- | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-03 | D | Date Collected: | 05/21/10 09:20 |
| Client ID: | SB-111 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:51 |
| Analytical Date: | 05/28/10 13:21 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 239000 | | ug/kg | 35800 | -- | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-04 | D | Date Collected: | 05/21/10 09:20 |
| Client ID: | SB-111 (3'-4') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:51 |
| Analytical Date: | 05/28/10 13:34 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 97% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 163 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 163 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 163 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 163 | -- | 5 |
| Aroclor 1248 | 792 | | ug/kg | 163 | -- | 5 |
| Aroclor 1254 | ND | | ug/kg | 163 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 163 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 163 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 163 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 97 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
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**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-05 | D | Date Collected: | 05/21/10 09:20 |
| Client ID: | SB-111 (4'-5') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:51 |
| Analytical Date: | 05/28/10 13:46 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3400 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3400 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3400 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3400 | -- | 100 |
| Aroclor 1248 | 34900 | | ug/kg | 3400 | -- | 100 |
| Aroclor 1254 | ND | | ug/kg | 3400 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3400 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3400 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3400 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-06 | D | Date Collected: | 05/21/10 09:20 |
| Client ID: | SB-111 (5'-6') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:51 |
| Analytical Date: | 05/28/10 13:59 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1248 | 1640 | | ug/kg | 373 | -- | 10 |
| Aroclor 1254 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 373 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007702-07 | Date Collected: | 05/21/10 09:20 |
| Client ID: | SB-111 (6'-7') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 20:51 |
| Analytical Date: | 05/28/10 11:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1248 | 77.5 | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1254 | 40.9 | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 94 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-08 | D | Date Collected: | 05/21/10 09:10 |
| Client ID: | SB-112 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:52 |
| Analytical Date: | 06/01/10 12:43 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7720 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7720 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7720 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7720 | -- | 200 |
| Aroclor 1254 | 16400 | | ug/kg | 7720 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7720 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7720 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7720 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-08 | D | Date Collected: | 05/21/10 09:10 |
| Client ID: | SB-112 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:52 |
| Analytical Date: | 06/01/10 12:43 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 28600 | | ug/kg | 7720 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-09 | D | Date Collected: | 05/21/10 09:10 |
| Client ID: | SB-112 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 20:52 |
| Analytical Date: | 05/28/10 14:11 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 190 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 190 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 190 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 190 | -- | 5 |
| Aroclor 1248 | 1180 | | ug/kg | 190 | -- | 5 |
| Aroclor 1254 | 1030 | | ug/kg | 190 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 190 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 190 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 190 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 89 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007702-10 | Date Collected: | 05/21/10 09:10 |
| Client ID: | SB-112 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 21:46 |
| Analytical Date: | 05/28/10 11:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1248 | 46.1 | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 |
| Decachlorobiphenyl | 97 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007702-10 | Date Collected: | 05/21/10 09:10 |
| Client ID: | SB-112 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 21:46 |
| Analytical Date: | 05/28/10 11:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 53.2 | | ug/kg | 38.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 |
| Decachlorobiphenyl | 97 | | 30-150 |

**Project Name:** 1 INDIA STREET
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**Lab Number:** L1007702
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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-11 | D | Date Collected: | 05/21/10 09:00 |
| Client ID: | SB-113 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 21:46 |
| Analytical Date: | 05/28/10 20:28 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 82% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 19300 | -- | 500 |
| Aroclor 1221 | ND | | ug/kg | 19300 | -- | 500 |
| Aroclor 1232 | ND | | ug/kg | 19300 | -- | 500 |
| Aroclor 1242 | ND | | ug/kg | 19300 | -- | 500 |
| Aroclor 1248 | 113000 | | ug/kg | 19300 | -- | 500 |
| Aroclor 1254 | 53800 | | ug/kg | 19300 | -- | 500 |
| Aroclor 1260 | ND | | ug/kg | 19300 | -- | 500 |
| Aroclor 1262 | ND | | ug/kg | 19300 | -- | 500 |
| Aroclor 1268 | ND | | ug/kg | 19300 | -- | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-12 | D | Date Collected: | 05/21/10 09:00 |
| Client ID: | SB-113 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 21:46 |
| Analytical Date: | 05/28/10 18:49 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1880 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1880 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1880 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1880 | -- | 50 |
| Aroclor 1254 | 3220 | | ug/kg | 1880 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1880 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1880 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1880 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-12 | D | Date Collected: | 05/21/10 09:00 |
| Client ID: | SB-113 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 21:46 |
| Analytical Date: | 05/28/10 18:49 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 9280 | | ug/kg | 1880 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007702-13 | Date Collected: | 05/21/10 09:00 |
| Client ID: | SB-113 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 21:46 |
| Analytical Date: | 05/28/10 11:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 41.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 41.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 41.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 41.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 41.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 41.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 41.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 108 | | 30-150 |
| Decachlorobiphenyl | 94 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007702-13 | Date Collected: | 05/21/10 09:00 |
| Client ID: | SB-113 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/26/10 21:46 |
| Analytical Date: | 05/28/10 11:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | ND | | ug/kg | 41.3 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 41.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 108 | | 30-150 |
| Decachlorobiphenyl | 94 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-14 | D | Date Collected: | 05/21/10 11:45 |
| Client ID: | VS-30 (6'-7') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 21:46 |
| Analytical Date: | 05/28/10 19:26 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1248 | 390 | | ug/kg | 188 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 188 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 |
| Decachlorobiphenyl | 97 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 102 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-14 | D | Date Collected: | 05/21/10 11:45 |
| Client ID: | VS-30 (6'-7') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 21:46 |
| Analytical Date: | 05/28/10 19:26 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | ND | | ug/kg | 188 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 |
| Decachlorobiphenyl | 97 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 102 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-15 | D | Date Collected: | 05/21/10 10:15 |
| Client ID: | VS-36 (5'-6') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 21:46 |
| Analytical Date: | 05/28/10 20:16 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7080 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7080 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7080 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7080 | -- | 200 |
| Aroclor 1254 | ND | | ug/kg | 7080 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7080 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7080 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7080 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-15 | D | Date Collected: | 05/21/10 10:15 |
| Client ID: | VS-36 (5'-6') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 21:46 |
| Analytical Date: | 05/28/10 20:16 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 46100 | | ug/kg | 7080 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-16 | D | Date Collected: | 05/21/10 10:15 |
| Client ID: | VS-36 (6'-7') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 21:46 |
| Analytical Date: | 05/28/10 20:41 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1248 | 657 | | ug/kg | 186 | -- | 5 |
| Aroclor 1254 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 186 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 186 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 90 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-17 | D | Date Collected: | 05/21/10 10:30 |
| Client ID: | VS-37 (6'-7') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 21:46 |
| Analytical Date: | 05/28/10 20:03 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7060 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7060 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7060 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7060 | -- | 200 |
| Aroclor 1248 | 28100 | | ug/kg | 7060 | -- | 200 |
| Aroclor 1254 | ND | | ug/kg | 7060 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7060 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7060 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7060 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-18 | D | Date Collected: | 05/21/10 10:40 |
| Client ID: | VS-38 (6'-7') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 21:46 |
| Analytical Date: | 05/28/10 18:00 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 384 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 384 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 384 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 384 | -- | 10 |
| Aroclor 1248 | 2060 | | ug/kg | 384 | -- | 10 |
| Aroclor 1254 | ND | | ug/kg | 384 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 384 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 384 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 384 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-19 | D | Date Collected: | 05/21/10 10:50 |
| Client ID: | VS-39 (6'-7') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 21:46 |
| Analytical Date: | 05/28/10 19:51 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7590 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7590 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7590 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7590 | -- | 200 |
| Aroclor 1248 | 29900 | | ug/kg | 7590 | -- | 200 |
| Aroclor 1254 | ND | | ug/kg | 7590 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7590 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7590 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7590 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-20 | D | Date Collected: | 05/21/10 11:05 |
| Client ID: | VS-40 (6'-7') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 21:46 |
| Analytical Date: | 05/28/10 20:53 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 381 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 381 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 381 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 381 | -- | 10 |
| Aroclor 1248 | 2510 | | ug/kg | 381 | -- | 10 |
| Aroclor 1254 | ND | | ug/kg | 381 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 381 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 381 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 381 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-21 | D | Date Collected: | 05/21/10 11:05 |
| Client ID: | VS-40 (6'-7') DUP | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 21:46 |
| Analytical Date: | 05/28/10 19:14 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3860 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3860 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3860 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3860 | -- | 100 |
| Aroclor 1248 | 28100 | | ug/kg | 3860 | -- | 100 |
| Aroclor 1254 | ND | | ug/kg | 3860 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3860 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3860 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3860 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-22 | D | Date Collected: | 05/21/10 11:15 |
| Client ID: | VS-41 (6'-7') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 22:15 |
| Analytical Date: | 05/28/10 18:12 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 750 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 750 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 750 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 750 | -- | 20 |
| Aroclor 1248 | 2810 | | ug/kg | 750 | -- | 20 |
| Aroclor 1254 | ND | | ug/kg | 750 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 750 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 750 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 750 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-23 | D | Date Collected: | 05/21/10 11:30 |
| Client ID: | VS-42 (5'-6') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 22:15 |
| Analytical Date: | 05/28/10 19:01 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3570 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3570 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3570 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3570 | -- | 100 |
| Aroclor 1248 | 18700 | | ug/kg | 3570 | -- | 100 |
| Aroclor 1254 | 11200 | | ug/kg | 3570 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3570 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3570 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3570 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-24 | D | Date Collected: | 05/21/10 11:30 |
| Client ID: | VS-42 (5'-6') DUP | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 22:15 |
| Analytical Date: | 05/28/10 18:37 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1950 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1950 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1950 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1950 | -- | 50 |
| Aroclor 1248 | 9790 | | ug/kg | 1950 | -- | 50 |
| Aroclor 1254 | 5360 | | ug/kg | 1950 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1950 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1950 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1950 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007702-25 | D | Date Collected: | 05/21/10 11:30 |
| Client ID: | VS-42 (6'-7') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/26/10 22:15 |
| Analytical Date: | 05/28/10 18:24 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 05/27/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 05/27/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 780 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 780 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 780 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 780 | -- | 20 |
| Aroclor 1248 | 4610 | | ug/kg | 780 | -- | 20 |
| Aroclor 1254 | 3760 | | ug/kg | 780 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 780 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 780 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 780 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/27/10 19:14
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 05/26/10 20:49
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/27/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/27/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-09 Batch: WG414771-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.2 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 |
| Decachlorobiphenyl | 98 | | 30-150 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/28/10 00:49
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 05/26/10 21:46
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/27/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/27/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 10-25 Batch: WG414776-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.6 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 |
| Decachlorobiphenyl | 107 | | 30-150 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG414771-4 WG414771-5 QC Sample: L1007701-16 Client ID: MS Sample | | | | | | | | | | | | |
| Aroclor 1016 | ND | 229 | 303 | 132 | | 309 | 136 | | 40-140 | 3 | | 50 |
| Aroclor 1260 | ND | 229 | 201 | 88 | | 219 | 96 | | 40-140 | 9 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria | *Column* |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | **152** | Q | 30-150 | A |
| Decachlorobiphenyl | 72 | | 137 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | **161** | Q | 30-150 | B |
| Decachlorobiphenyl | 80 | | **156** | Q | 30-150 | B |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 10-25 QC Batch ID: WG414776-4 WG414776-5 QC Sample: L1007702-14 Client ID: VS-30 (6'-7') | | | | | | | | | | | | |
| Aroclor 1016 | ND | 235 | 568 | **241** | Q | 400 | **168** | Q | 40-140 | 36 | | 50 |
| Aroclor 1260 | ND | 235 | 269 | 114 | | 285 | 119 | | 40-140 | 4 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria | *Column* |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 75 | | 30-150 | A |
| Decachlorobiphenyl | 108 | | 92 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 83 | | 30-150 | B |
| Decachlorobiphenyl | 73 | | 73 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG414771-2 WG414771-3 | | | | | | | | |
| Aroclor 1016 | 95 | | 92 | | 40-140 | 3 | | 50 |
| Aroclor 1260 | 89 | | 98 | | 40-140 | 10 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 95 | | 30-150 |
| Decachlorobiphenyl | 92 | | 98 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 120 | | 30-150 |
| Decachlorobiphenyl | 123 | | 129 | | 30-150 |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 10-25 Batch: WG414776-2 WG414776-3 | | | | | | | | |
| Aroclor 1016 | 91 | | 88 | | 40-140 | 3 | | 50 |
| Aroclor 1260 | 92 | | 88 | | 40-140 | 4 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 86 | | 30-150 |
| Decachlorobiphenyl | 89 | | 79 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 87 | | 30-150 |
| Decachlorobiphenyl | 111 | | 98 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-01
Client ID: SB-111 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-02
Client ID: SB-111 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-03
Client ID: SB-111 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-04
Client ID: SB-111 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-05
Client ID: SB-111 (4'-5')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-06
Client ID: SB-111 (5'-6')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-07
Client ID: SB-111 (6'-7')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-08
Client ID: SB-112 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:10
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-09
Client ID: SB-112 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:10
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-10
Client ID: SB-112 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:10
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-11
Client ID: SB-113 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:00
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-12
Client ID: SB-113 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:00
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-13
Client ID: SB-113 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:00
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-14
Client ID: VS-30 (6'-7')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 11:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-15
Client ID: VS-36 (5'-6')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 10:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-16
Client ID: VS-36 (6'-7')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 10:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-17
Client ID: VS-37 (6'-7')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 10:30
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-18
Client ID: VS-38 (6'-7')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 10:40
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-19
Client ID: VS-39 (6'-7')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 10:50
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-20
Client ID: VS-40 (6'-7')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 11:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 05/27/10 11:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-21
Client ID: VS-40 (6'-7') DUP
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 11:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 05/27/10 12:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-22
Client ID: VS-41 (6'-7')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 11:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 05/27/10 12:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-23
Client ID: VS-42 (5'-6')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 11:30
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 05/27/10 12:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-24
Client ID: VS-42 (5'-6') DUP
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 11:30
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 05/27/10 12:12 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## SAMPLE RESULTS

Lab ID: L1007702-25
Client ID: VS-42 (6'-7')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 11:30
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 05/27/10 12:12 | 30,2540G | AC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG414886-1 QC Sample: L1007702-01 Client ID: SB-111 (0'-1') | | | | | | |
| Solids, Total | 85 | 86 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 21-25 QC Batch ID: WG414897-1 QC Sample: L1007854-01 Client ID: DUP Sample | | | | | | |
| Solids, Total | 92 | 92 | % | 0 | | 20 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| B | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007702-01A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-02A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-03A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-04A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-05A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-06A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-07A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-08A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-09A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-10A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-11A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-12A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-13A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-14A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-14B | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-14C | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-15A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-15B | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-15C | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-16A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-17A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-18A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-19A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-20A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-21A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-22A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-23A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |

*Values in parentheses indicate holding time in days

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007702
**Report Date:** 06/02/10

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007702-24A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |
| L1007702-25A | Amber 120ml unpreserved | B | N/A | 6 | Y | Absent | TS(7),PCB-8082() |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007702 |
| **Project Number:** | 0222610.01 | **Report Date:** | 06/02/10 |

## GLOSSARY

***Acronyms***

EPA · Environmental Protection Agency.

LCS · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD · Laboratory Control Sample Duplicate: Refer to LCS.

MDL · Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD · Matrix Spike Sample Duplicate: Refer to MS.

NA · Not Applicable.

NC · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI · Not Ignitable.

RL · Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007702 |
| **Project Number:** | 0222610.01 | **Report Date:** | 06/02/10 |

***Data Qualifiers***

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007702 |
| **Project Number:** | 0222610.01 | **Report Date:** | 06/02/10 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised May 19, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

**Analytes Not Accredited by NELAP**
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

# CHAIN OF CUSTODY

PAGE 15 OF 17

Date Rec'd in Lab: 5/21/16

ALPHA Job #: L1007702


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: Woodard + Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5/28/10 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| EPA/RIDEM | |

Other Project Specific Requirements/Comments/Detection Limits:

below 1 mg/kg

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs (8082 w/soxhlet) | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|
| 07702-1 | SB-111 (0'-1') | 5/21/10 | 920 | S | GR | X | 1 | Approx Results unknown |
| -2 | SB-111 (1'-2') | | | | | X | 1 | |
| -3 | SB-111 (2'-3') | | | | | X | 1 | |
| -4 | SB-111 (3'-4') | | | | | X | 1 | |
| -5 | SB-111 (4'-5') | | | | | X | 1 | |
| -6 | SB-111 (5'-6') | | | | | X | 1 | |
| -7 | SB-111 (6'-7') | | | | | X | 1 | |
| -8 | SB-112 (0'-1') | | 910 | | | X | 1 | |
| -9 | SB-112 (1'-2') | | | | | X | 1 | |
| -10 | SB-112 (2'-3') | | | | | X | 1 | |

**SAMPLE HANDLING**

Filtration
☐ Done ☐ Not needed ☐ Lab to do

Preservation
☐ Lab to do

(Please specify below)

| | |
|---|---|
| Container Type | A |
| Preservative | A |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| 5/21/10 | 5/21/10 1600 | | 5/21/10 |
| | 5/21/10 19:55 | | 5/21/10 17:35 |
| | | | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 16 OF 17

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007702


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: Woodard + Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 Indig St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5/28/10 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| EPA/RIDEM | |

Other Project Specific Requirements/Comments/Detection Limits:

below 1 mg/kg

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: RCRA 8082 w/ soxhlet | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07702-11 | SB-113(0'-1') | 5/21/10 | 900 | S | GR | X | Approx Results unknown | 1 |
| 12 | SB-113(1'-2') | | | | | X | | 1 |
| 13 | SB-113(2'-3') | | | | | X | | 1 |
| 14 | VS-30(6'-7') | | 1145 | | | X | | 1 |
| 14 | VS-30(6'-7') MS | | | | | X | | 1 |
| 14 | VS-30(6'-7') MSD | | | | | X | | 1 |
| 15 | VS-36(5'-6') | | 1015 | | | X | | 1 |
| 15 | VS-36(5'-6') MS | | | | | X | | 1 |
| 15 | VS-36(5'-6') MSD | | | | | X | | 1 |
| 16 | VS-36(6'-7') | | | | | X | | 1 |

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| | |
|---|---|
| Container Type | A |
| Preservative | A |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Stellwagen 5/21/10 | 5/21/10 1600 | P. Gillett | 5/21/10 17:35 |
| P. Stellwagen | 5/21/10 1955 | P. Gillett | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 17 OF 17

Date Rec'd in Lab: 5/21/10

ALPHA Job #: 2106 7702

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: Woodard + Curran
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India Street
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5/28/10 Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program: RIDEM/EPA
Criteria:

Other Project Specific Requirements/Comments/Detection Limits:

below 1mg/kg

ANALYSIS: PCBs (8082 w/ soxhlet)

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs (8082 w/ soxhlet) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07702.17 | VS-37 (6'-7') | 5/21/10 | 1030 | S | GR | X | | 1 |
| 18 | VS-38 (6'-7') | | 1040 | | | X | | 1 |
| 19 | VS-39 (6'-7') | | 1050 | | | X | | 1 |
| 20 | VS-40 (6'-7') | | 1105 | | | X | | 1 |
| 21 | VS-40 (6'-7') Dup | | ↓ | | | X | | 1 |
| 22 | VS-41 (6'-7') | | 1115 | | | X | | 1 |
| 23 | VS-42 (5'-6') | | 1130 | | | X | | 1 |
| 24 | VS-42 (5'-6') Dup | | | | | X | | 1 |
| 25 | VS-42 (6'-7') | | | | | X | | 1 |

| | |
|---|---|
| Container Type | A |
| Preservative | A |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 5/21/10 1600 | [signature] | 5/21/10 |
| [signature] | 5/21/10 | [signature] | 5/21/10 17:35 |
| [signature] | 5/21/10 19:55 | [signature] | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1007703 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Phone: | (401) 273-1007 |
| Project Name: | 1 INDIA STREET |
| Project Number: | 0222610.01 |
| Report Date: | 06/04/10 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1007703-01 | SB-54A (6"-9") | PROVIDENCE | 05/18/10 15:15 |
| L1007703-02 | SB-54A (9"-12") | PROVIDENCE | 05/18/10 15:15 |
| L1007703-03 | SB-25A (3"-6") | PROVIDENCE | 05/18/10 13:00 |
| L1007703-04 | SB-25A (6"-9") | PROVIDENCE | 05/18/10 13:00 |
| L1007703-05 | SB-25A (9"-12") | PROVIDENCE | 05/18/10 13:00 |
| L1007703-06 | SB-49A (6"-9") | PROVIDENCE | 05/18/10 14:00 |
| L1007703-07 | SB-49A (9"-12") | PROVIDENCE | 05/18/10 14:00 |
| L1007703-08 | SB-52A (6"-9") | PROVIDENCE | 05/18/10 14:50 |
| L1007703-09 | SB-52A (9"-12") | PROVIDENCE | 05/18/10 14:50 |
| L1007703-10 | SB-60A (6"-9") | PROVIDENCE | 05/18/10 15:30 |
| L1007703-11 | SB-60A (9"-12") | PROVIDENCE | 05/18/10 15:30 |
| L1007703-12 | SB-84 (2'-3') | PROVIDENCE | 05/19/10 13:55 |
| L1007703-13 | SB-84 (3'-4') | PROVIDENCE | 05/19/10 13:55 |
| L1007703-14 | SB-84 (4'-5') | PROVIDENCE | 05/19/10 13:55 |
| L1007703-15 | SB-84 (5'-6') | PROVIDENCE | 05/19/10 13:55 |
| L1007703-16 | SB-85 (2'-3') | PROVIDENCE | 05/19/10 14:05 |
| L1007703-17 | SB-85 (3'-4') | PROVIDENCE | 05/19/10 14:05 |
| L1007703-18 | SB-85 (4'-5') | PROVIDENCE | 05/19/10 14:05 |
| L1007703-19 | SB-85 (5'-6') | PROVIDENCE | 05/19/10 14:05 |
| L1007703-20 | SB-86 (2'-3') | PROVIDENCE | 05/19/10 14:15 |
| L1007703-21 | SB-86 (3'-4') | PROVIDENCE | 05/19/10 14:15 |
| L1007703-22 | SB-86 (4'-5') | PROVIDENCE | 05/19/10 14:15 |
| L1007703-23 | SB-86 (5'-6') | PROVIDENCE | 05/19/10 14:15 |
| L1007703-24 | SB-87 (2'-3') | PROVIDENCE | 05/19/10 14:25 |
| L1007703-25 | SB-87 (3'-4') | PROVIDENCE | 05/19/10 14:25 |
| L1007703-26 | SB-87 (4'-5') | PROVIDENCE | 05/19/10 14:25 |
| L1007703-27 | SB-87 (5'-6') | PROVIDENCE | 05/19/10 14:25 |
| L1007703-28 | SB-88 (2'-3') | PROVIDENCE | 05/19/10 13:10 |
| L1007703-29 | SB-88 (3'-4') | PROVIDENCE | 05/19/10 13:10 |
| L1007703-30 | SB-88 (4'-5') | PROVIDENCE | 05/19/10 13:10 |
| L1007703-31 | SB-88 (5'-6') | PROVIDENCE | 05/19/10 13:10 |

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1007703-32 | SB-89 (2'-3') | PROVIDENCE | 05/19/10 13:20 |
| L1007703-33 | SB-89 (3'-4') | PROVIDENCE | 05/19/10 13:20 |
| L1007703-34 | SB-89 (4'-5') | PROVIDENCE | 05/19/10 13:20 |
| L1007703-35 | SB-89 (5'-6') | PROVIDENCE | 05/19/10 13:20 |
| L1007703-36 | SB-90 (2'-3') | PROVIDENCE | 05/19/10 13:35 |
| L1007703-37 | SB-90 (3'-4') | PROVIDENCE | 05/19/10 13:35 |
| L1007703-38 | SB-90 (4'-5') | PROVIDENCE | 05/19/10 13:35 |
| L1007703-39 | SB-90 (5'-6') | PROVIDENCE | 05/19/10 13:35 |
| L1007703-40 | SB-90 (4'-5') DUP | PROVIDENCE | 05/19/10 13:35 |
| L1007703-41 | SB-91 (2'-3') | PROVIDENCE | 05/19/10 13:45 |
| L1007703-42 | SB-91 (3'-4') | PROVIDENCE | 05/19/10 13:45 |
| L1007703-43 | SB-91 (4'-5') | PROVIDENCE | 05/19/10 13:45 |
| L1007703-44 | SB-91 (5'-6') | PROVIDENCE | 05/19/10 13:45 |
| L1007703-45 | SB-92 (2'-3') | PROVIDENCE | 05/19/10 10:55 |
| L1007703-46 | SB-92 (3'-4') | PROVIDENCE | 05/19/10 10:55 |
| L1007703-47 | SB-92 (4'-5') | PROVIDENCE | 05/19/10 10:55 |
| L1007703-48 | SB-92 (5'-6') | PROVIDENCE | 05/19/10 10:55 |
| L1007703-49 | SB-93 (2'-3') | PROVIDENCE | 05/19/10 11:15 |
| L1007703-50 | SB-93 (3'-4') | PROVIDENCE | 05/19/10 11:15 |
| L1007703-51 | SB-93 (4'-5') | PROVIDENCE | 05/19/10 11:15 |
| L1007703-52 | SB-93 (5'-6') | PROVIDENCE | 05/19/10 11:15 |
| L1007703-53 | SB-94 (2'-3') | PROVIDENCE | 05/19/10 11:30 |
| L1007703-54 | SB-94 (3'-4') | PROVIDENCE | 05/19/10 11:30 |
| L1007703-55 | SB-94 (4'-5') | PROVIDENCE | 05/19/10 11:30 |
| L1007703-56 | SB-94 (5'-6') | PROVIDENCE | 05/19/10 11:30 |
| L1007703-57 | SB-94 (5'-6') DUP | PROVIDENCE | 05/19/10 11:30 |
| L1007703-58 | SB-95 (2'-3') | PROVIDENCE | 05/19/10 11:45 |
| L1007703-59 | SB-95 (3'-4') | PROVIDENCE | 05/19/10 11:45 |
| L1007703-60 | SB-95 (4'-5') | PROVIDENCE | 05/19/10 11:45 |
| L1007703-61 | SB-95 (5'-6') | PROVIDENCE | 05/19/10 11:45 |
| L1007703-62 | SB-96 (1'-2') | PROVIDENCE | 05/19/10 14:45 |
| L1007703-63 | SB-96 (2'-3') | PROVIDENCE | 05/19/10 14:45 |
| L1007703-64 | SB-96 (3'-4') | PROVIDENCE | 05/19/10 14:45 |
| L1007703-65 | SB-96 (4'-5') | PROVIDENCE | 05/19/10 14:45 |

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1007703-66 | SB-96 (5'-6') | PROVIDENCE | 05/19/10 14:45 |
| L1007703-67 | SB-97 (1'-2') | PROVIDENCE | 05/19/10 14:55 |
| L1007703-68 | SB-97 (2'-3') | PROVIDENCE | 05/19/10 14:55 |
| L1007703-69 | SB-97 (3'-4') | PROVIDENCE | 05/19/10 14:55 |
| L1007703-70 | SB-97 (4'-5') | PROVIDENCE | 05/19/10 14:55 |
| L1007703-71 | SB-97 (5'-6') | PROVIDENCE | 05/19/10 14:55 |
| L1007703-72 | SB-98 (1'-2') | PROVIDENCE | 05/19/10 15:05 |
| L1007703-73 | SB-98 (2'-3') | PROVIDENCE | 05/19/10 15:05 |
| L1007703-74 | SB-98 (3'-4') | PROVIDENCE | 05/19/10 15:05 |
| L1007703-75 | SB-98 (4'-5') | PROVIDENCE | 05/19/10 15:05 |
| L1007703-76 | SB-98 (5'-6') | PROVIDENCE | 05/19/10 15:05 |
| L1007703-77 | SB-99 (1'-2') | PROVIDENCE | 05/19/10 15:15 |
| L1007703-78 | SB-99 (2'-3') | PROVIDENCE | 05/19/10 15:15 |
| L1007703-79 | SB-99 (3'-4') | PROVIDENCE | 05/19/10 15:15 |
| L1007703-80 | SB-99 (4'-5') | PROVIDENCE | 05/19/10 15:15 |
| L1007703-81 | SB-99 (5'-6') | PROVIDENCE | 05/19/10 15:15 |
| L1007703-82 | SB-100 (2'-3') | PROVIDENCE | 05/19/10 15:25 |
| L1007703-83 | SB-100 (3'-4') | PROVIDENCE | 05/19/10 15:25 |
| L1007703-84 | SB-100 (4'-5') | PROVIDENCE | 05/19/10 15:25 |
| L1007703-85 | SB-100 (5'-6') | PROVIDENCE | 05/19/10 15:25 |
| L1007703-86 | SB-128 (3'-4') | PROVIDENCE | 05/19/10 09:00 |
| L1007703-87 | SB-128 (4'-5') | PROVIDENCE | 05/19/10 09:00 |
| L1007703-88 | SB-128 (5'-6') | PROVIDENCE | 05/19/10 09:00 |
| L1007703-89 | SB-129 (3'-4') | PROVIDENCE | 05/19/10 09:20 |
| L1007703-90 | SB-129 (4'-5') | PROVIDENCE | 05/19/10 09:20 |
| L1007703-91 | SB-129 (5'-6') | PROVIDENCE | 05/19/10 09:20 |
| L1007703-92 | SB-130 (3'-4') | PROVIDENCE | 05/19/10 09:10 |
| L1007703-93 | SB-130 (4'-5') | PROVIDENCE | 05/19/10 09:10 |
| L1007703-94 | SB-130 (5'-6') | PROVIDENCE | 05/19/10 09:10 |
| L1007703-95 | SB-131 (3'-4') | PROVIDENCE | 05/19/10 08:15 |

**Project Name:** 1 INDIA STREET
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## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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PCB

L1007703-01, -02, -06,- 07, -08, -09, -10, -12, -13, -16, -32, -49, -62, -77 and -78 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1007703-11 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the elevated concentrations of target compounds in the sample.

The surrogate recoveries for L1007703-01, -02, -06, -08, -09, -10, -11, -12, -13, -32, -62, -77 and -78 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analysis are reported.

The WG415234-2/-3 LCS/LCSD RPD, associated with L1007703-01, -02, -06 through -14, -16, -17, -20, -

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**Case Narrative (continued)**

24, -25, -28, -29, -32 and -33, is above the acceptance criteria for Aroclor 1260 (55%); however, the individual LCS/LCSD recoveries are within method limits. The results of the associated samples are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/04/10

# ORGANICS

# PCBS

**Project Name:** 1 INDIA STREET
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**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-01 | D | Date Collected: | 05/18/10 15:15 |
| Client ID: | SB-54A (6"-9") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/02/10 16:16 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 83% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 4000 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 4000 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 4000 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 4000 | -- | 100 |
| Aroclor 1248 | 37800 | | ug/kg | 4000 | -- | 100 |
| Aroclor 1254 | ND | | ug/kg | 4000 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 4000 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 4000 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 4000 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-02 | D | Date Collected: | 05/18/10 15:15 |
| Client ID: | SB-54A (9"-12") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/02/10 16:28 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 21700 | | ug/kg | 3900 | -- | 100 |
| Aroclor 1254 | 10700 | | ug/kg | 3900 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-02 | D | Date Collected: | 05/18/10 15:15 |
| Client ID: | SB-54A (9"-12") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/02/10 16:28 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3900 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3900 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3900 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3900 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3900 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3900 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3900 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-06 | D | Date Collected: | 05/18/10 14:00 |
| Client ID: | SB-49A (6"-9") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/02/10 16:40 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 11400 | | ug/kg | 3610 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-06 | D | Date Collected: | 05/18/10 14:00 |
| Client ID: | SB-49A (6"-9") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/02/10 16:40 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3610 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3610 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3610 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3610 | -- | 100 |
| Aroclor 1248 | 22000 | | ug/kg | 3610 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3610 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3610 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3610 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-07 | D | Date Collected: | 05/18/10 14:00 |
| Client ID: | SB-49A (9"-12") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/02/10 16:53 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 979 | | ug/kg | 184 | -- | 5 |
| Aroclor 1254 | 694 | | ug/kg | 184 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | A |
| Decachlorobiphenyl | 83 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | B |
| Decachlorobiphenyl | 72 | | 30-150 | B |

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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-07 | D | Date Collected: | 05/18/10 14:00 |
| Client ID: | SB-49A (9"-12") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/02/10 16:53 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 184 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | A |
| Decachlorobiphenyl | 83 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | B |
| Decachlorobiphenyl | 72 | | 30-150 | B |

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**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-08 | D | Date Collected: | 05/18/10 14:50 |
| Client ID: | SB-52A (6"-9") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/02/10 17:05 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1254 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1820 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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**Lab Number:** L1007703
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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-08 | D | Date Collected: | 05/18/10 14:50 |
| Client ID: | SB-52A (6"-9") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/02/10 17:05 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 30300 | | ug/kg | 1820 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-09 | D | Date Collected: | 05/18/10 14:50 |
| Client ID: | SB-52A (9"-12") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/02/10 17:18 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1860 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1860 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1860 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1860 | -- | 50 |
| Aroclor 1254 | ND | | ug/kg | 1860 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1860 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1860 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1860 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-09 | D | Date Collected: | 05/18/10 14:50 |
| Client ID: | SB-52A (9"-12") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/02/10 17:18 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 9200 | | ug/kg | 1860 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-10 | D | Date Collected: | 05/18/10 15:30 |
| Client ID: | SB-60A (6"-9") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/03/10 12:19 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7270 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7270 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7270 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7270 | -- | 200 |
| Aroclor 1248 | 62700 | | ug/kg | 7270 | -- | 200 |
| Aroclor 1254 | 34000 | | ug/kg | 7270 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7270 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7270 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7270 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-11 | D | Date Collected: | 05/18/10 15:30 |
| Client ID: | SB-60A (9"-12") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/02/10 17:42 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 68200 | | ug/kg | 7150 | -- | 200 |
| Aroclor 1254 | 33900 | | ug/kg | 7150 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-11 | D | Date Collected: | 05/18/10 15:30 |
| Client ID: | SB-60A (9"-12") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/02/10 17:42 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7150 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7150 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7150 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7150 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7150 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7150 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7150 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-12 | D | Date Collected: | 05/19/10 13:55 |
| Client ID: | SB-84 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/02/10 18:52 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 365 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 365 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 365 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 365 | -- | 10 |
| Aroclor 1254 | ND | | ug/kg | 365 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 365 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 365 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 365 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-12 | D | Date Collected: | 05/19/10 13:55 |
| Client ID: | SB-84 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/02/10 18:52 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 3770 | | ug/kg | 365 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-13 | D | Date Collected: | 05/19/10 13:55 |
| Client ID: | SB-84 (3'-4') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/02/10 19:04 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 771 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 771 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 771 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 771 | -- | 20 |
| Aroclor 1248 | 7080 | | ug/kg | 771 | -- | 20 |
| Aroclor 1254 | ND | | ug/kg | 771 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 771 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 771 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 771 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-14 | Date Collected: | 05/19/10 13:55 |
| Client ID: | SB-84 (4'-5') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/01/10 16:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 | A |
| Decachlorobiphenyl | 79 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | B |
| Decachlorobiphenyl | 80 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-14 | Date Collected: | 05/19/10 13:55 |
| Client ID: | SB-84 (4'-5') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/01/10 16:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 146 | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1254 | 139 | | ug/kg | 36.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 | A |
| Decachlorobiphenyl | 79 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | B |
| Decachlorobiphenyl | 80 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-16 | D | Date Collected: | 05/19/10 14:05 |
| Client ID: | SB-85 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/02/10 19:29 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1248 | 704 | | ug/kg | 184 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 184 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | A |
| Decachlorobiphenyl | 93 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | B |
| Decachlorobiphenyl | 76 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-16 | D | Date Collected: | 05/19/10 14:05 |
| Client ID: | SB-85 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:07 |
| Analytical Date: | 06/02/10 19:29 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 297 | | ug/kg | 184 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | A |
| Decachlorobiphenyl | 93 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | B |
| Decachlorobiphenyl | 76 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-17 | Date Collected: | 05/19/10 14:05 |
| Client ID: | SB-85 (3'-4') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:51 |
| Analytical Date: | 06/02/10 19:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 40.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 40.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 40.2 | -- | 1 |
| Aroclor 1248 | 562 | | ug/kg | 40.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 40.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 40.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 40.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 111 | | 30-150 | A |
| Decachlorobiphenyl | 145 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 111 | | 30-150 | B |
| Decachlorobiphenyl | 128 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
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**Lab Number:** L1007703
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-17 | Date Collected: | 05/19/10 14:05 |
| Client ID: | SB-85 (3'-4') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:51 |
| Analytical Date: | 06/02/10 19:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1254 | 336 | | ug/kg | 40.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 111 | | 30-150 | A |
| Decachlorobiphenyl | 145 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 111 | | 30-150 | B |
| Decachlorobiphenyl | 128 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-20 | Date Collected: | 05/19/10 14:15 |
| Client ID: | SB-86 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:51 |
| Analytical Date: | 06/01/10 16:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | A |
| Decachlorobiphenyl | 64 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 102 | | 30-150 | B |
| Decachlorobiphenyl | 75 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-24 | Date Collected: | 05/19/10 14:25 |
| Client ID: | SB-87 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:51 |
| Analytical Date: | 06/01/10 17:09 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 444 | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1254 | 422 | | ug/kg | 37.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 76 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 78 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-24 | Date Collected: | 05/19/10 14:25 |
| Client ID: | SB-87 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:51 |
| Analytical Date: | 06/01/10 17:09 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 76 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 78 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-25 | Date Collected: | 05/19/10 14:25 |
| Client ID: | SB-87 (3'-4') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:52 |
| Analytical Date: | 06/01/10 17:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | A |
| Decachlorobiphenyl | 70 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 104 | | 30-150 | B |
| Decachlorobiphenyl | 87 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-28 | Date Collected: | 05/19/10 13:10 |
| Client ID: | SB-88 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:52 |
| Analytical Date: | 06/01/10 17:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 68 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | B |
| Decachlorobiphenyl | 85 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-28 | Date Collected: | 05/19/10 13:10 |
| Client ID: | SB-88 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:52 |
| Analytical Date: | 06/01/10 17:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 268 | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1254 | 90.2 | | ug/kg | 36.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 68 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | B |
| Decachlorobiphenyl | 85 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-29 | Date Collected: | 05/19/10 13:10 |
| Client ID: | SB-88 (3'-4') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:53 |
| Analytical Date: | 06/01/10 17:59 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 72% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 199 | | ug/kg | 43.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 30-150 | A |
| Decachlorobiphenyl | 66 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 109 | | 30-150 | B |
| Decachlorobiphenyl | 94 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-29 | Date Collected: | 05/19/10 13:10 |
| Client ID: | SB-88 (3'-4') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:53 |
| Analytical Date: | 06/01/10 17:59 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 72% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 43.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 43.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 43.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 43.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 43.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 43.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 43.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 43.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 30-150 | A |
| Decachlorobiphenyl | 66 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 109 | | 30-150 | B |
| Decachlorobiphenyl | 94 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-32 | D | Date Collected: | 05/19/10 13:20 |
| Client ID: | SB-89 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:53 |
| Analytical Date: | 06/02/10 19:54 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 74% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 4480 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 4480 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 4480 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 4480 | -- | 100 |
| Aroclor 1248 | 32400 | | ug/kg | 4480 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 4480 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 4480 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 4480 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-32 | D | Date Collected: | 05/19/10 13:20 |
| Client ID: | SB-89 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:53 |
| Analytical Date: | 06/02/10 19:54 | | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 74% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 15400 | | ug/kg | 4480 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-33 | Date Collected: | 05/19/10 13:20 |
| Client ID: | SB-89 (3'-4') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:53 |
| Analytical Date: | 06/02/10 20:06 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 78% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 180 | | ug/kg | 41.9 | -- | 1 |
| Aroclor 1254 | 148 | | ug/kg | 41.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | A |
| Decachlorobiphenyl | 87 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-33 | Date Collected: | 05/19/10 13:20 |
| Client ID: | SB-89 (3'-4') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:53 |
| Analytical Date: | 06/02/10 20:06 | Cleanup Method1: | EPA 3665A |
| Analyst: | JB | Cleanup Date1: | 06/01/10 |
| Percent Solids: | 78% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/01/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 41.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 41.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 41.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 41.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 41.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 41.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 41.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | A |
| Decachlorobiphenyl | 87 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-49 | D | Date Collected: | 05/19/10 11:15 |
| Client ID: | SB-93 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/03/10 16:26 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1248 | 384 | | ug/kg | 184 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 184 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | A |
| Decachlorobiphenyl | 88 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | B |
| Decachlorobiphenyl | 80 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-49 | D | Date Collected: | 05/19/10 11:15 |
| Client ID: | SB-93 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/03/10 16:26 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 320 | | ug/kg | 184 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | A |
| Decachlorobiphenyl | 88 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | B |
| Decachlorobiphenyl | 80 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-58 | Date Collected: | 05/19/10 11:45 |
| Client ID: | SB-95 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/04/10 08:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | A |
| Decachlorobiphenyl | 99 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 77 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-62 | D | Date Collected: | 05/19/10 14:45 |
| Client ID: | SB-96 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/04/10 09:28 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 718 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 718 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 718 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 718 | -- | 20 |
| Aroclor 1248 | 3820 | | ug/kg | 718 | -- | 20 |
| Aroclor 1254 | 2690 | | ug/kg | 718 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 718 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 718 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 718 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-63 | Date Collected: | 05/19/10 14:45 |
| Client ID: | SB-96 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/02/10 10:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 | A |
| Decachlorobiphenyl | 86 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 30-150 | B |
| Decachlorobiphenyl | 101 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-64 | Date Collected: | 05/19/10 14:45 |
| Client ID: | SB-96 (3'-4') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/02/10 10:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 110 | | 30-150 | A |
| Decachlorobiphenyl | 97 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 130 | | 30-150 | B |
| Decachlorobiphenyl | 108 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-72 | Date Collected: | 05/19/10 15:05 |
| Client ID: | SB-98 (1'-2') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/03/10 17:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 665 | | ug/kg | 37.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | A |
| Decachlorobiphenyl | 109 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | B |
| Decachlorobiphenyl | 88 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-72 | Date Collected: | 05/19/10 15:05 |
| Client ID: | SB-98 (1'-2') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/03/10 17:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1254 | 417 | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | A |
| Decachlorobiphenyl | 109 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 | B |
| Decachlorobiphenyl | 88 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-73 | Date Collected: | 05/19/10 15:05 |
| Client ID: | SB-98 (2'-3') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/02/10 10:47 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | A |
| Decachlorobiphenyl | 89 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 115 | | 30-150 | B |
| Decachlorobiphenyl | 107 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-77 | D | Date Collected: | 05/19/10 15:15 |
| Client ID: | SB-99 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/04/10 09:40 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1970 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1970 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1970 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1970 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1970 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1970 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1970 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-77 | D | Date Collected: | 05/19/10 15:15 |
| Client ID: | SB-99 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/04/10 09:40 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 8400 | | ug/kg | 1970 | -- | 50 |
| Aroclor 1254 | 3260 | | ug/kg | 1970 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-78 | D | Date Collected: | 05/19/10 15:15 |
| Client ID: | SB-99 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/04/10 09:52 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 373 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007703-78 | D | Date Collected: | 05/19/10 15:15 |
| Client ID: | SB-99 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/04/10 09:52 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 2270 | | ug/kg | 373 | -- | 10 |
| Aroclor 1254 | 867 | | ug/kg | 373 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007703-95 | Date Collected: | 05/19/10 08:15 |
| Client ID: | SB-131 (3'-4') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/02/10 23:56 |
| Analytical Date: | 06/04/10 12:30 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/04/10 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/04/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 50 | | 30-150 | A |
| Decachlorobiphenyl | 49 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 124 | | 30-150 | B |
| Decachlorobiphenyl | 61 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/01/10 13:41
Analyst: JB

Extraction Method: EPA 3540C
Extraction Date: 05/29/10 00:07
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/01/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/01/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-02,06-14,16-17,20,24-25,28-29,32-33 Batch: WG415234-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | A |
| Decachlorobiphenyl | 50 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 95 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/02/10 10:59
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 05/29/10 01:00
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/02/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/02/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 49,58,62-64,72-73,77-78 Batch: WG415235-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.8 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | A |
| Decachlorobiphenyl | 83 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 142 | | 30-150 | B |
| Decachlorobiphenyl | 118 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/04/10 13:14
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 06/02/10 23:00
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/04/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/04/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 95 Batch: WG415835-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.4 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 | A |
| Decachlorobiphenyl | 56 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 111 | | 30-150 | B |
| Decachlorobiphenyl | 75 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA STREET

**Project Number:** 0222610.01

**Lab Number:** L1007703

**Report Date:** 06/04/10

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-02,06-14,16-17,20,24-25,28-29,32-33 Batch: WG415234-2 WG415234-3 | | | | | | | | |
| Aroclor 1016 | 137 | | 136 | | 40-140 | 1 | | 50 |
| Aroclor 1260 | 58 | | 102 | | 40-140 | **55** | Q | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 82 | | 30-150 | A |
| Decachlorobiphenyl | 56 | | 88 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 51 | | 30-150 | B |
| Decachlorobiphenyl | 75 | | 48 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 49,58,62-64,72-73,77-78 Batch: WG415235-2 WG415235-3 | | | | | | | | |
| Aroclor 1016 | 131 | | 107 | | 40-140 | 20 | | 50 |
| Aroclor 1260 | 118 | | 98 | | 40-140 | 19 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 75 | | 30-150 | A |
| Decachlorobiphenyl | 114 | | 90 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 77 | | 30-150 | B |
| Decachlorobiphenyl | 76 | | 75 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA STREET

**Project Number:** 0222610.01

**Lab Number:** L1007703

**Report Date:** 06/04/10

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 95 Batch: WG415835-2 WG415835-3 | | | | | | | | |
| Aroclor 1016 | 109 | | 72 | | 40-140 | 41 | | 50 |
| Aroclor 1260 | 113 | | 91 | | 40-140 | 22 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 87 | | 30-150 | A |
| Decachlorobiphenyl | 103 | | 68 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 76 | | 30-150 | B |
| Decachlorobiphenyl | 72 | | 55 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-01
Client ID: SB-54A (6"-9")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 15:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | NA | 1 | - | 06/01/10 16:07 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-02
Client ID: SB-54A (9"-12")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 15:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 06/01/10 16:07 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-06
Client ID: SB-49A (6"-9")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 14:00
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/01/10 16:07 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-07
Client ID: SB-49A (9"-12")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 14:00
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 06/01/10 16:07 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-08
Client ID: SB-52A (6"-9")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 14:50
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 06/01/10 16:07 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-09
Client ID: SB-52A (9"-12")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 14:50
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/01/10 16:07 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-10
Client ID: SB-60A (6"-9")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 15:30
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 06/01/10 16:07 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-11
Client ID: SB-60A (9"-12")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/18/10 15:30
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/01/10 16:07 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-12
Client ID: SB-84 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 13:55
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 06/01/10 16:07 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-13
Client ID: SB-84 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 13:55
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 06/01/10 16:07 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-14
Client ID: SB-84 (4'-5')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 13:55
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 06/02/10 11:52 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-16
Client ID: SB-85 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 14:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 06/01/10 16:07 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-17
Client ID: SB-85 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 14:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | NA | 1 | - | 06/01/10 16:07 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-20
Client ID: SB-86 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 14:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 06/01/10 16:07 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-24
Client ID: SB-87 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 14:25
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | NA | 1 | - | 06/01/10 16:07 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-25
Client ID: SB-87 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 14:25
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 06/01/10 16:07 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-28
Client ID: SB-88 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 13:10
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 06/01/10 16:07 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-29
Client ID: SB-88 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 13:10
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 72 | | % | 0.10 | NA | 1 | - | 06/01/10 16:07 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-32
Client ID: SB-89 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 13:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 74 | | % | 0.10 | NA | 1 | - | 06/01/10 16:07 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-33
Client ID: SB-89 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 13:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 78 | | % | 0.10 | NA | 1 | - | 06/01/10 16:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-49
Client ID: SB-93 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 11:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/01/10 16:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-58
Client ID: SB-95 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 11:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 06/01/10 16:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-62
Client ID: SB-96 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 14:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/01/10 16:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-63
Client ID: SB-96 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 14:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 06/01/10 16:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-64
Client ID: SB-96 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 14:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 06/01/10 16:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-72
Client ID: SB-98 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 15:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 06/01/10 16:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-73
Client ID: SB-98 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 15:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 06/01/10 16:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-77
Client ID: SB-99 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 15:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 06/01/10 16:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-78
Client ID: SB-99 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 15:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 06/01/10 16:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## SAMPLE RESULTS

Lab ID: L1007703-95
Client ID: SB-131 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 08:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 06/03/10 11:12 | 30,2540G | AC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-02,06-13,16-17,20,24-25,28-29,32 QC Batch ID: WG415492-1 QC Sample: L1007703-01 Client ID: SB-54A (6"-9") | | | | | | |
| Solids, Total | 83 | 84 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 33,49,58,62-64,72-73,77-78 QC Batch ID: WG415516-1 QC Sample: L1007703-33 Client ID: SB-89 (3'-4') | | | | | | |
| Solids, Total | 78 | 79 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 14 QC Batch ID: WG415670-1 QC Sample: L1007984-03 Client ID: DUP Sample | | | | | | |
| Solids, Total | 86 | 87 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 95 QC Batch ID: WG415931-1 QC Sample: L1008086-19 Client ID: DUP Sample | | | | | | |
| Solids, Total | 88 | 88 | % | 0 | | 20 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| A | Absent |
| B | Absent |
| C | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007703-01A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-02A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-03A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-04A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-05A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-06A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-07A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-08A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-09A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-10A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-11A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-12A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-13A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-14A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-15A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-16A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-17A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-18A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-19A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-20A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-21A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-22A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-23A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-24A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |

*Values in parentheses indicate holding time in days

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007703-25A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-26A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-27A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-28A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-29A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-30A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-31A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-32A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-33A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-34A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-35A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-36A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-37A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-38A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-39A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-40A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-41A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-42A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-43A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-44A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-45A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-46A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-47A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-47B | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-47C | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-48A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-49A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-50A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-51A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-52A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-52B | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-52C | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-53A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-54A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-55A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-56A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |

*Values in parentheses indicate holding time in days

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007703-57A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-58A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-59A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-60A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-61A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-62A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-63A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-64A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-65A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-66A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-67A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-68A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-69A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-70A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-71A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-72A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-73A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-74A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-75A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-76A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-77A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-78A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007703-79A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-80A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-81A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-82A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-83A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-84A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-85A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-86A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-87A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-88A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-89A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-90A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-91A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-92A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |

*Values in parentheses indicate holding time in days

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007703
**Report Date:** 06/04/10

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007703-93A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-94A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007703-95A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007703 |
| **Project Number:** | 0222610.01 | **Report Date:** | 06/04/10 |

## GLOSSARY

***Acronyms***

EPA · Environmental Protection Agency.

LCS · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD · Laboratory Control Sample Duplicate: Refer to LCS.

MDL · Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD · Matrix Spike Sample Duplicate: Refer to MS.

NA · Not Applicable.

NC · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI · Not Ignitable.

RL · Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007703 |
| **Project Number:** | 0222610.01 | **Report Date:** | 06/04/10 |

***Data Qualifiers***

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007703 |
| **Project Number:** | 0222610.01 | **Report Date:** | 06/04/10 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised May 19, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

**Analytes Not Accredited by NELAP**
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

# CHAIN OF CUSTODY

PAGE 1 OF 19

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007703

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

## Client Information

Client: WOODARD + CURRAN

Address: 95 CEDAR ST.
PROVIDENCE, RI 02903

Phone: 401-273-1007

Fax: 401-273-5087

Email: GROSE@woodardcurran.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 INDIA ST.

Project Location: PROVIDENCE

Project #: 0222610.01

Project Manager: GARRETT ROSE

ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

## Billing Information

☒ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program RI Criteria RESIDENTIAL

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☒ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

## Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs - HOLD | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07703, 1 | SB-54A (6"-9") | 5/18/10 | 1515 | S | GR | X | Please hold all | 1 |
| 2 | SB-54A (9"-12") | | 1515 | | | X | samples until | 1 |
| 3 | SB-25A (3"-6") | | 1300 | | | X | instructed by W&C | 1 |
| 4 | SB-25A (6"-9") | | 1300 | | | X | | 1 |
| 5 | SB-25A (9"-12") | | 1300 | | | X | | 1 |
| 6 | SB-49A (6"-9") | | 1400 | | | X | | 1 |
| 7 | SB-49A (9"-12") | | 1400 | | | X | | 1 |
| 8 | SB-52A (6"-9") | | 1450 | | | X | | 1 |
| 9 | SB-52A (9"-12") | | 1450 | | | X | | 1 |
| 10 | SB-60A (6"-9") | | 1530 | | | X | | 1 |
| | | | | | Container Type | A | | |
| | | | | | Preservative | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1600 | | 5/21/10 |
| | 5/21/10 | | 5/21/10 1035 |
| | 5/21/10 19:55 | | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

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ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007703

**Client Information**

Client: WOODARD + CURRAN
Address: 95 CEDAR ST
PROVIDENCE, RI 02903
Phone: 401-273-1007
Fax: 401-273-5087
Email: GROSE@woodardcurran.com
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 INDIA ST.
Project Location: PROVIDENCE
Project #: 022610.01
Project Manager: GARRETT ROSE
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☒ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RI Criteria RESIDENTIAL

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCBs - Hold

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs - Hold | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07703.11 | SB-60A (9-12") | 5/18/10 | 1530 | S | GR | X | Please hold all | 1 |
| 12 | SB-84 (2'-3') | 5/19/10 | 1355 | | | X | samples until | 1 |
| 13 | SB-84 (3'-4') | | | | | X | instructed by | 1 |
| 14 | SB-84 (4'-5') | | | | | X | WBC | 1 |
| 15 | SB-84 (5'-6') | | | | | X | | 1 |
| 16 | SB-85 (2'-3') | | 1405 | | | X | | 1 |
| 17 | SB-85 (3'-4') | | | | | X | | 1 |
| 18 | SB-85 (4'-5') | | | | | X | | 1 |
| 19 | SB-85 (5'-6') | | | | | X | | 1 |
| 20 | SB-86 (2'-3') | | 1415 | | | X | | 1 |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

FORM NO: 01-01 (rev. 18-Jan-2010)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1600 | | 5/21/10 |
| | 5/21/10 | | 5/21/10 1725 |
| | 5/21/10 1955 | | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

# CHAIN OF CUSTODY

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Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007703


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


## Client Information

Client: WOODARD + CURRAN

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 INDIA ST

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

## Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☑ No Are MCP Analytical Methods Required?

☐ Yes ☑ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

## Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCBs - Hold

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs - Hold | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07703-21 | SB-86 (3'-4') | 5/19/10 | 1415 | S | GR | X | Hold all samples | 1 |
| 22 | SB-86 (4'-5') | | | | | X | until instructed | 1 |
| 23 | SB-86 (5'-6') | | | | | X | by W&C | 1 |
| 24 | SB-87 (2'-3') | | 1425 | | | X | | 1 |
| 25 | SB-87 (3'-4') | | | | | X | | 1 |
| 26 | SB-87 (4'-5') | | | | | X | | 1 |
| 27 | SB-87 (5'-6') | | | | | X | | 1 |
| 28 | SB-88 (2'-3') | | 1310 | | | X | | 1 |
| 29 | SB-88 (3'-4') | | | | | X | | 1 |
| 30 | SB-88 (4'-5') | | | | | X | | 1 |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1600 | | |
| P. Gillett | 5/21/10 1955 | P. Gillett | 5/21/10 17:35 5/21/10 1958 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

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ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007703

## Client Information

Client: Woodard & Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 India Street

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

## Report Information - Data Deliverables

~~☐ FAX~~ ☐ EMAIL

☑ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program RI Criteria Residential

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☑ No Are MCP Analytical Methods Required?

☐ Yes ☑ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

## Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCBs - Hold

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs - Hold | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07703-31 | SB-88(5'-6') | 5/19/10 | 1310 | S | GR | X | Hold all samples on this COC until instructed by W&C | 1 |
| 32 | SB-89(2'-3') | | 1320 | | | X | | 1 |
| 33 | SB-89(3'-4') | | | | | X | | 1 |
| 34 | SB-89(4'-5') | | | | | X | | 1 |
| 35 | SB-89(5'-6') | | | | | X | | 1 |
| 36 | SB-90(2'-3') | | 1335 | | | X | | 1 |
| 37 | SB-90(3'-4') | | | | | X | | 1 |
| 38 | SB-90(4'-5') | | | | | X | | 1 |
| 39 | SB-90(5'-6') | | | | | X | | 1 |
| 46 | SB-90(4'-5')Dup | ↓ | ↓ | ↓ | ↓ | X | | 1 |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1600 | | 5/21/10 |
| | 5/21/10 | | 5/21/10 1735 |
| | 5/21/10 1955 | | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

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ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


Date Rec'd in Lab: 5/21/16

ALPHA Job #: L1607703

**Client Information**

Client: WOODARD + CURRAN

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 INDIA ST

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCBs - Hold

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|
| 07703-41 | SB-91 (2'-3') | 5/19/16 | 1345 | S | GR | HOLD ALL SAMPLES UNTIL INSTRUCTED BY W+C. | 1 |
| 42 | SB-91 (3'-4') | | | | | | 1 |
| 43 | SB-91 (4'-5') | | | | | | 1 |
| 44 | SB-91 (5'-6') | | | | | | 1 |
| 45 | SB-92 (2'-3') | | 1055 | | | | 1 |
| 46 | SB-92 (3'-4') | | | | | | 1 |
| 47 | SB-92 (4'-5') | | | | | | 1 |
| 47 | SB-92 (4'-5') MS | | | | | | 1 |
| 47 | SB-92 (4'-5') MSD | | | | | | 1 |
| 48 | SB-92 (5'-6') | | 1055 | | | | 1 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | A | | | | | | | | | | | | | | |
| Preservative | A | | | | | | | | | | | | | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/16 1600 | | 5/21/16 |
| | 5/21/16 | | 5/21/16 17:35 |
| | 5/21/16 19:55 | | 5/21/16 19:55 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

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Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1037703


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


## Client Information

Client: Woodard + Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

## Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program | Criteria

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

## Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCBs Hold

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs Hold | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 03703-49 | SB-93 (2'-3') | 5/19/10 | 1115 | S | GR | X | HOLD ALL | 1 |
| 50 | SB-93 (3'-4') | | | | | X | SAMPLES ON | 1 |
| 51 | SB-93 (4'-5') | | | | | X | THIS COC UNTIL | 1 |
| 52 | SB-93 (5'-6') | | | | | X | INSTRUCTED BY | 1 |
| 52 | SB-93 (5'-6') MS | | | | | X | W+C. | 1 |
| 52 | SB-93 (5'-6') MSD | | | | | X | | 1 |
| 53 | SB-94 (2'-3') | | 1130 | | | X | | 1 |
| 54 | SB-94 (3'-4') | | | | | X | | 1 |
| 55 | SB-94 (4'-5') | | | | | X | | 1 |
| 56 | SB-94 (5'-6') | | | | | X | | 1 |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1600 | | 5/21/10 |
| | 5/21/10 | | 5/21/10 17:35 |
| | 5/21/10 19:55 | | 5/21/10 19:55 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

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ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007703

**Client Information**

Client: Woodard + Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCBs Hold

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs Hold | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07703-57 | SB-94(5'-6') DUP | 5/19/10 | 1130 | S | GR | X | HOLD ALL SAMPLES ON THIS COC UNTIL INSTRUCTED BY WC. | 1 |
| 58 | SB-95(2'-3') | | 1145 | | | X | | 1 |
| 59 | SB-95(3'-4') | | | | | X | | 1 |
| 60 | SB-95(4'-5') | | | | | X | | 1 |
| 61 | SB-95(5'-6') | | | | | X | | 1 |
| 62 | SB-96(1'-2') | | 1445 | | | X | | 1 |
| 63 | SB-96(2'-3') | | | | | X | | 1 |
| 64 | SB-96(3'-4') | | | | | X | | 1 |
| 65 | SB-96(4'-5') | | | | | X | | 1 |
| 66 | SB-96(5'-6') | | | | | X | | 1 |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 5/21/10 1600 | P. Gilbert | 5/21/10 1735 |
| | 5/21/10 19:55 | | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 8 OF 19


WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1005703

## Client Information

Client: Woodard & Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: RCBS (Hold)

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | RCBS (Hold) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 67703 67 | SB-97 (1'-2') | 5/19/10 | 1455 | S | GR | X | HOLD ALL | 1 |
| 68 | SB-97 (2'-3') | | | | | X | SAMPLES ON | 1 |
| 69 | SB-97 (3'-4') | | | | | X | THIS COC | 1 |
| 70 | SB-97 (4'-5') | | | | | X | UNTIL INSTRUCTED | 1 |
| 71 | SB-97 (5'-6') | | ↓ | | | X | BY W&C. | 1 |
| 72 | SB-98 (1'-2') | | 1505 | | | X | | 1 |
| 73 | SB-98 (2'-3') | | | | | X | | 1 |
| 74 | SB-98 (3'-4') | | | | | X | | 1 |
| 75 | SB-98 (4'-5') | | | | | X | | 1 |
| 76 | SB-98 (5'-6') | ↓ | ↓ | ↓ | ↓ | X | | 1 |
| | | | | | | | | |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1000 | | 5/21/10 |
| | 5/21/10 1610 | | 5/21/10 1735 |
| | 5/21/10 1955 | | 5/21/10 1958 |

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FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 9 OF 19

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007703


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


## Client Information

Client: WOODARD + CURRAN

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 1 INDIA ST

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

## Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCBs Hold

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs Hold | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07707.77 | SB-99 (1'-2') | 5/19/10 | 1515 | S | GR | X | HOLD ALL | 1 |
| 78 | SB-99 (2'-3') | | | | | X | SAMPLES ON | 1 |
| 79 | SB-99 (3'-4') | | | | | X | THIS COC UNTIL | 1 |
| 80 | SB-99 (4'-5') | | | | | X | INSTRUCTED BY | 1 |
| 81 | SB-99 (5'-6') | | ↓ | | | X | W+C. | 1 |
| 82 | SB-100 (2'-3') | | 1525 | | | X | | 1 |
| 83 | SB-100 (3'-4') | | ↓ | | | X | | 1 |
| 84 | SB-100 (4'-5') | | | | | X | | 1 |
| 85 | SB-100 (5'-6') | | ↓ | | | X | | 1 |
| | | | | | | | | |

Container Type: A

Preservative: A

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1600 | | 5/21/10 |
| | 5/21/10 | | 5/21/10 17:35 |
| | 5/21/10 19:55 | | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 10 OF 19

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007703


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: Woodard + Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India St

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| | |

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: PCBs Hold

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs Hold | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07703-86 | SB-128(3'-4') | 5/19/10 | 900 | S | GR | X | Hold all samples on this COC until instructed by W&C | 1 |
| 87 | SB-128(4'-5') | | | | | X | | 1 |
| 88 | SB-128(5'-6') | | | | | X | | 1 |
| 89 | SB-129(3'-4') | | 920 | | | X | | 1 |
| 90 | SB-129(4'-5') | | | | | X | | 1 |
| 91 | SB-129(5'-6') | | | | | X | | 1 |
| 92 | SB-130(3'-4') | | 910 | | | X | | 1 |
| 93 | SB-130(4'-5') | | | | | X | | 1 |
| 94 | SB-130(5'-6') | | | | | X | | 1 |
| 95 | SB-131(3'-4') | | 815 | | | X | | 1 |
| | | | | | Container Type | A | | |
| | | | | | Preservative | A | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1600 | | 5/21/10 |
| | 5/21/10 19:55 | | 5/21/10 1935 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1007704 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Phone: | (401) 273-1007 |
| Project Name: | 1 INDIA STREET |
| Project Number: | 0222610.01 |
| Report Date: | 06/11/10 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1007704-01 | SB-131 (4'-5') | PROVIDENCE | 05/19/10 08:15 |
| L1007704-02 | SB-131 (5'-6') | PROVIDENCE | 05/19/10 08:15 |
| L1007704-03 | SB-69A (18"-21") | PROVIDENCE | 05/20/10 13:25 |
| L1007704-04 | SB-69A (21"-24") | PROVIDENCE | 05/20/10 13:25 |
| L1007704-05 | SB-102 (3'-4') | PROVIDENCE | 05/20/10 08:55 |
| L1007704-06 | SB-102 (4'-5') | PROVIDENCE | 05/20/10 08:55 |
| L1007704-07 | SB-102 (5'-6') | PROVIDENCE | 05/20/10 08:55 |
| L1007704-08 | SB-103 (1'-2') | PROVIDENCE | 05/20/10 09:05 |
| L1007704-09 | SB-103 (2'-3') | PROVIDENCE | 05/20/10 09:05 |
| L1007704-10 | SB-103 (3'-4') | PROVIDENCE | 05/20/10 09:05 |
| L1007704-11 | SB-103 (4'-5') | PROVIDENCE | 05/20/10 09:05 |
| L1007704-12 | SB-103 (5'-6') | PROVIDENCE | 05/20/10 09:05 |
| L1007704-13 | SB-104 (1'-2') | PROVIDENCE | 05/20/10 11:10 |
| L1007704-14 | SB-104 (2'-3') | PROVIDENCE | 05/20/10 11:10 |
| L1007704-15 | SB-104 (3'-4') | PROVIDENCE | 05/20/10 11:10 |
| L1007704-16 | SB-104 (4'-5') | PROVIDENCE | 05/20/10 11:10 |
| L1007704-17 | SB-104 (5'-6') | PROVIDENCE | 05/20/10 11:10 |
| L1007704-18 | SB-105 (3'-4') | PROVIDENCE | 05/20/10 11:20 |
| L1007704-19 | SB-105 (4'-5') | PROVIDENCE | 05/20/10 11:20 |
| L1007704-20 | SB-105 (5'-6') | PROVIDENCE | 05/20/10 11:20 |
| L1007704-21 | SB-106 (3'-4') | PROVIDENCE | 05/20/10 11:35 |
| L1007704-22 | SB-106 (4'-5') | PROVIDENCE | 05/20/10 11:35 |
| L1007704-23 | SB-106 (5'-6') | PROVIDENCE | 05/20/10 11:35 |
| L1007704-24 | SB-107 (5'-6') | PROVIDENCE | 05/20/10 13:55 |
| L1007704-25 | SB-114 (4'-5') | PROVIDENCE | 05/20/10 09:25 |
| L1007704-26 | SB-115 (4'-5') | PROVIDENCE | 05/20/10 09:50 |
| L1007704-27 | SB-115 (5'-6') | PROVIDENCE | 05/20/10 09:50 |
| L1007704-28 | SB-116 (5'-6') | PROVIDENCE | 05/20/10 10:20 |
| L1007704-29 | SB-117 (7'-8') | PROVIDENCE | 05/20/10 10:40 |
| L1007704-30 | SB-118 (7'-8') | PROVIDENCE | 05/20/10 13:15 |
| L1007704-31 | SB-119 (4'-5') | PROVIDENCE | 05/20/10 13:35 |

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1007704-32 | SB-120 (4'-5') | PROVIDENCE | 05/20/10 13:45 |
| L1007704-33 | SB-108 (1'-2') | PROVIDENCE | 05/21/10 08:45 |
| L1007704-34 | SB-108 (2'-3') | PROVIDENCE | 05/21/10 08:45 |
| L1007704-35 | SB-108 (3'-4') | PROVIDENCE | 05/21/10 08:45 |
| L1007704-36 | SB-108 (4'-5') | PROVIDENCE | 05/21/10 08:45 |
| L1007704-37 | SB-108 (5'-6') | PROVIDENCE | 05/21/10 08:45 |
| L1007704-38 | SB-109 (2'-3') | PROVIDENCE | 05/21/10 09:40 |
| L1007704-39 | SB-110 (2'-3') | PROVIDENCE | 05/21/10 09:30 |
| L1007704-40 | SB-111 (7'-8') | PROVIDENCE | 05/21/10 09:20 |
| L1007704-41 | SB-112 (3'-4') | PROVIDENCE | 05/21/10 09:10 |
| L1007704-42 | SB-113 (3'-4') | PROVIDENCE | 05/21/10 09:00 |
| L1007704-43 | SB-132 (0'-1') | PROVIDENCE | 05/21/10 09:50 |
| L1007704-44 | SB-132 (1'-2') | PROVIDENCE | 05/21/10 09:50 |
| L1007704-45 | SB-132 (2'-3') | PROVIDENCE | 05/21/10 09:50 |
| L1007704-46 | SB-132 (3'-4') | PROVIDENCE | 05/21/10 09:50 |
| L1007704-47 | SB-132 (4'-5') | PROVIDENCE | 05/21/10 09:50 |
| L1007704-48 | SB-132 (5'-6') | PROVIDENCE | 05/21/10 09:50 |
| L1007704-49 | SB-133 (0'-1') | PROVIDENCE | 05/21/10 10:05 |
| L1007704-50 | SB-133 (1'-2') | PROVIDENCE | 05/21/10 10:05 |
| L1007704-51 | SB-133 (2'-3') | PROVIDENCE | 05/21/10 10:05 |
| L1007704-52 | SB-133 (3'-4') | PROVIDENCE | 05/21/10 10:05 |
| L1007704-53 | SB-133 (4'-5') | PROVIDENCE | 05/21/10 10:05 |
| L1007704-54 | SB-133 (5'-6') | PROVIDENCE | 05/21/10 10:05 |
| L1007704-55 | VS-30 (7'-8') | PROVIDENCE | 05/21/10 11:45 |
| L1007704-56 | VS-30 (8'-9') | PROVIDENCE | 05/21/10 11:45 |
| L1007704-57 | VS-30 (9'-10') | PROVIDENCE | 05/21/10 11:45 |
| L1007704-58 | VS-36 (7'-8') | PROVIDENCE | 05/21/10 10:15 |
| L1007704-59 | VS-36 (8'-9') | PROVIDENCE | 05/21/10 10:15 |
| L1007704-60 | VS-36 (9'-10') | PROVIDENCE | 05/21/10 10:15 |
| L1007704-61 | VS-37 (7'-8') | PROVIDENCE | 05/21/10 10:30 |
| L1007704-62 | VS-37 (8'-9') | PROVIDENCE | 05/21/10 10:30 |
| L1007704-63 | VS-37 (9'-10') | PROVIDENCE | 05/21/10 10:30 |
| L1007704-64 | VS-38 (7'-8') | PROVIDENCE | 05/21/10 10:40 |
| L1007704-65 | VS-38 (8'-9') | PROVIDENCE | 05/21/10 10:40 |

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1007704-66 | VS-38 (8'-9') DUP | PROVIDENCE | 05/21/10 10:40 |
| L1007704-67 | VS-38 (9'-10') | PROVIDENCE | 05/21/10 10:40 |
| L1007704-68 | VS-39 (7'-8') | PROVIDENCE | 05/21/10 10:50 |
| L1007704-69 | VS-39 (8'-9') | PROVIDENCE | 05/21/10 10:50 |
| L1007704-70 | VS-39 (9'-10') | PROVIDENCE | 05/21/10 10:50 |
| L1007704-71 | VS-39 (9'-10') DUP | PROVIDENCE | 05/21/10 10:50 |
| L1007704-72 | VS-40 (7'-8') | PROVIDENCE | 05/21/10 11:05 |
| L1007704-73 | VS-40 (8'-9') | PROVIDENCE | 05/21/10 11:05 |
| L1007704-74 | VS-40 (9'-10') | PROVIDENCE | 05/21/10 11:05 |
| L1007704-75 | VS-41 (7'-8') | PROVIDENCE | 05/21/10 11:15 |
| L1007704-76 | VS-41 (8'-9') | PROVIDENCE | 05/21/10 11:15 |
| L1007704-77 | VS-41 (9'-10') | PROVIDENCE | 05/21/10 11:15 |
| L1007704-79 | VS-42 (7-8) | PROVIDENCE | 05/21/10 11:30 |
| L1007704-80 | VS-42 (8-9) | PROVIDENCE | 05/21/10 11:30 |
| L1007704-81 | VS-42 (9-10) | PROVIDENCE | 05/21/10 11:30 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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PCB

L1007704-03, -08, -09, -13, -14, -24, -33 through -37, -43 through -45, -49, -50, 61, -62, -63, -68, -70, -71 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The surrogate recoveries for L1007704-08, -13, -14, -24, -33 through -37, -43, -44, -49, -61 through -63, and -68 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (0%) and Decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction is not required; therefore, the results of the original analysis are reported.

L1007704-04, -13, -14, and -34 were extracted beyond the requested 14 day holding time for the PCB analysis.

**Project Name:** 1 INDIA STREET
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**Case Narrative (continued)**

The WG416866-3 LCS/LCSD RPDs, associated with L1007704-04, -13, -14, and -34, are above the acceptance criteria for Aroclor 1016 (77%) and Aroclor 1260 (64%); however, the individual LCS/LCSD recoveries are within method limits.

The MS/MSD, associated with L1007704-62, was not analyzed because the dilution required by the elevated concentrations of target compounds present in the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 06/11/10

# ORGANICS

# PCBS

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007704-01 | Date Collected: | 05/19/10 08:15 |
| Client ID: | SB-131 (4'-5') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/02/10 23:56 |
| Analytical Date: | 06/04/10 12:42 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/04/10 |
| Percent Solids: | 25% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/04/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 130 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 130 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 130 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 130 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 130 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 130 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 130 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 130 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 130 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 | A |
| Decachlorobiphenyl | 66 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 115 | | 30-150 | B |
| Decachlorobiphenyl | 76 | | 30-150 | B |

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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-03 | D | Date Collected: | 05/20/10 13:25 |
| Client ID: | SB-69A (18"-21") | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/01/10 19:17 |
| Analytical Date: | 06/06/10 13:24 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/05/10 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/05/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1248 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1254 | 251 | | ug/kg | 176 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 176 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 | B |
| Decachlorobiphenyl | 66 | | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007704-04 | Date Collected: | 05/20/10 13:25 |
| Client ID: | SB-69A (21"-24") | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/09/10 01:45 |
| Analytical Date: | 06/10/10 09:13 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/10/10 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/10/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1254 | 365 | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 107 | | 30-150 | A |
| Decachlorobiphenyl | 110 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 103 | | 30-150 | B |
| Decachlorobiphenyl | 93 | | 30-150 | B |

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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-08 | D | Date Collected: | 05/20/10 09:05 |
| Client ID: | SB-103 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/01/10 19:17 |
| Analytical Date: | 06/06/10 13:00 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/05/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/05/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7730 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7730 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7730 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7730 | -- | 200 |
| Aroclor 1248 | 13600 | | ug/kg | 7730 | -- | 200 |
| Aroclor 1254 | 7920 | | ug/kg | 7730 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7730 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7730 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7730 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-09 | D | Date Collected: | 05/20/10 09:05 |
| Client ID: | SB-103 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/01/10 19:17 |
| Analytical Date: | 06/06/10 13:12 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/05/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/05/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 189 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 189 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 189 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 189 | -- | 5 |
| Aroclor 1248 | 441 | | ug/kg | 189 | -- | 5 |
| Aroclor 1254 | 312 | | ug/kg | 189 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 189 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 189 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 189 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | A |
| Decachlorobiphenyl | 92 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 84 | | 30-150 | B |

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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-13 | D | Date Collected: | 05/20/10 11:10 |
| Client ID: | SB-104 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/09/10 01:45 |
| Analytical Date: | 06/10/10 08:35 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/10/10 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/10/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3580 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3580 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3580 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3580 | -- | 100 |
| Aroclor 1248 | 6460 | | ug/kg | 3580 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3580 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3580 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3580 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-13 | D | Date Collected: | 05/20/10 11:10 |
| Client ID: | SB-104 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/09/10 01:45 |
| Analytical Date: | 06/10/10 08:35 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/10/10 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/10/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 4780 | | ug/kg | 3580 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-14 | D | Date Collected: | 05/20/10 11:10 |
| Client ID: | SB-104 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/09/10 01:45 |
| Analytical Date: | 06/10/10 09:25 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/10/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/10/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 387 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 387 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 387 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 387 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 387 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 387 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 387 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-14 | D | Date Collected: | 05/20/10 11:10 |
| Client ID: | SB-104 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/09/10 01:45 |
| Analytical Date: | 06/10/10 09:25 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/10/10 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/10/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 990 | | ug/kg | 387 | -- | 10 |
| Aroclor 1254 | 627 | | ug/kg | 387 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-24 | D | Date Collected: | 05/20/10 13:55 |
| Client ID: | SB-107 (5'-6') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/01/10 19:17 |
| Analytical Date: | 06/06/10 14:25 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/05/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/05/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38500 | -- | 1000 |
| Aroclor 1221 | ND | | ug/kg | 38500 | -- | 1000 |
| Aroclor 1232 | ND | | ug/kg | 38500 | -- | 1000 |
| Aroclor 1242 | ND | | ug/kg | 38500 | -- | 1000 |
| Aroclor 1248 | 203000 | | ug/kg | 38500 | -- | 1000 |
| Aroclor 1254 | ND | | ug/kg | 38500 | -- | 1000 |
| Aroclor 1260 | ND | | ug/kg | 38500 | -- | 1000 |
| Aroclor 1262 | ND | | ug/kg | 38500 | -- | 1000 |
| Aroclor 1268 | ND | | ug/kg | 38500 | -- | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007704-28 | Date Collected: | 05/20/10 10:20 |
| Client ID: | SB-116 (5'-6') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/01/10 19:17 |
| Analytical Date: | 06/06/10 12:35 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/05/10 |
| Percent Solids: | 82% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/05/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1248 | 56.6 | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 | A |
| Decachlorobiphenyl | 101 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | B |
| Decachlorobiphenyl | 72 | | 30-150 | B |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007704-29 | Date Collected: | 05/20/10 10:40 |
| Client ID: | SB-117 (7'-8') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/01/10 19:17 |
| Analytical Date: | 06/06/10 12:48 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/05/10 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/05/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1248 | 131 | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1254 | 66.1 | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 | A |
| Decachlorobiphenyl | 106 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 71 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-33 | D | Date Collected: | 05/21/10 08:45 |
| Client ID: | SB-108 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/01/10 19:17 |
| Analytical Date: | 06/06/10 13:37 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/05/10 |
| Percent Solids: | 83% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/05/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 3680 | | ug/kg | 1960 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-33 | D | Date Collected: | 05/21/10 08:45 |
| Client ID: | SB-108 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/01/10 19:17 |
| Analytical Date: | 06/06/10 13:37 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/05/10 |
| Percent Solids: | 83% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/05/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1960 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1960 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1960 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1960 | -- | 50 |
| Aroclor 1248 | 8120 | | ug/kg | 1960 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1960 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1960 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1960 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-34 | D | Date Collected: | 05/21/10 08:45 |
| Client ID: | SB-108 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/09/10 01:45 |
| Analytical Date: | 06/10/10 09:37 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/10/10 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/10/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 355 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 355 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 355 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 355 | -- | 10 |
| Aroclor 1254 | 643 | | ug/kg | 355 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 355 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 355 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 355 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-34 | D | Date Collected: | 05/21/10 08:45 |
| Client ID: | SB-108 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/09/10 01:45 |
| Analytical Date: | 06/10/10 09:37 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/10/10 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/10/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 1440 | | ug/kg | 355 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-35 | D | Date Collected: | 05/21/10 08:45 |
| Client ID: | SB-108 (3'-4') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/01/10 19:17 |
| Analytical Date: | 06/06/10 14:01 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/05/10 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/05/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 3530 | | ug/kg | 684 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-35 | D | Date Collected: | 05/21/10 08:45 |
| Client ID: | SB-108 (3'-4') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/01/10 19:17 |
| Analytical Date: | 06/06/10 14:01 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/05/10 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/05/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 684 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 684 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 684 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 684 | -- | 20 |
| Aroclor 1254 | 1720 | | ug/kg | 684 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 684 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 684 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 684 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-36 | D | Date Collected: | 05/21/10 08:45 |
| Client ID: | SB-108 (4'-5') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/01/10 19:17 |
| Analytical Date: | 06/06/10 13:49 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/05/10 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/05/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1248 | 11100 | | ug/kg | 1780 | -- | 50 |
| Aroclor 1254 | 5320 | | ug/kg | 1780 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1780 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-37 | D | Date Collected: | 05/21/10 08:45 |
| Client ID: | SB-108 (5'-6') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/01/10 19:17 |
| Analytical Date: | 06/08/10 08:50 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/05/10 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/05/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 18800 | -- | 500 |
| Aroclor 1221 | ND | | ug/kg | 18800 | -- | 500 |
| Aroclor 1232 | ND | | ug/kg | 18800 | -- | 500 |
| Aroclor 1242 | ND | | ug/kg | 18800 | -- | 500 |
| Aroclor 1248 | 103000 | | ug/kg | 18800 | -- | 500 |
| Aroclor 1254 | ND | | ug/kg | 18800 | -- | 500 |
| Aroclor 1260 | ND | | ug/kg | 18800 | -- | 500 |
| Aroclor 1262 | ND | | ug/kg | 18800 | -- | 500 |
| Aroclor 1268 | ND | | ug/kg | 18800 | -- | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-43 | D | Date Collected: | 05/21/10 09:50 |
| Client ID: | SB-132 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/04/10 09:16 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 68% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 2580 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 2580 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 2580 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 2580 | -- | 50 |
| Aroclor 1248 | 12800 | | ug/kg | 2580 | -- | 50 |
| Aroclor 1254 | 6450 | | ug/kg | 2580 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 2580 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 2580 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 2580 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-44 | D | Date Collected: | 05/21/10 09:50 |
| Client ID: | SB-132 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/04/10 10:40 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 82% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 807 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 807 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 807 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 807 | -- | 20 |
| Aroclor 1254 | 6190 | | ug/kg | 807 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 807 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 807 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 807 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-44 | D | Date Collected: | 05/21/10 09:50 |
| Client ID: | SB-132 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/04/10 10:40 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 82% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 9650 | | ug/kg | 807 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-45 | D | Date Collected: | 05/21/10 09:50 |
| Client ID: | SB-132 (2'-3') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/03/10 16:38 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 207 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 207 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 207 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 207 | -- | 5 |
| Aroclor 1248 | 1050 | | ug/kg | 207 | -- | 5 |
| Aroclor 1254 | 712 | | ug/kg | 207 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 207 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 207 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 207 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | A |
| Decachlorobiphenyl | 116 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 | B |
| Decachlorobiphenyl | 87 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-49 | D | Date Collected: | 05/21/10 10:05 |
| Client ID: | SB-133 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/04/10 09:03 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1170 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 1170 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 1170 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 1170 | -- | 10 |
| Aroclor 1254 | 5690 | | ug/kg | 1170 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 1170 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 1170 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 1170 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-49 | D | Date Collected: | 05/21/10 10:05 |
| Client ID: | SB-133 (0'-1') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/04/10 09:03 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 7860 | | ug/kg | 1170 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-50 | D | Date Collected: | 05/21/10 10:05 |
| Client ID: | SB-133 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/04/10 10:04 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 196 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 196 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 196 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 196 | -- | 5 |
| Aroclor 1254 | 696 | | ug/kg | 196 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 196 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 196 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 196 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 105 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 87 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-50 | D | Date Collected: | 05/21/10 10:05 |
| Client ID: | SB-133 (1'-2') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 05/29/10 00:14 |
| Analytical Date: | 06/04/10 10:04 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/02/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/02/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 1090 | | ug/kg | 196 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 105 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 87 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-61 | D | Date Collected: | 05/21/10 10:30 |
| Client ID: | VS-37 (7'-8') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/08/10 07:49 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7620 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7620 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7620 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7620 | -- | 200 |
| Aroclor 1254 | ND | | ug/kg | 7620 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7620 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7620 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7620 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-61 | D | Date Collected: | 05/21/10 10:30 |
| Client ID: | VS-37 (7'-8') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/08/10 07:49 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 43200 | | ug/kg | 7620 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-62 | D | Date Collected: | 05/21/10 10:30 |
| Client ID: | VS-37 (8'-9') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/08/10 07:37 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38500 | -- | 1000 |
| Aroclor 1221 | ND | | ug/kg | 38500 | -- | 1000 |
| Aroclor 1232 | ND | | ug/kg | 38500 | -- | 1000 |
| Aroclor 1242 | ND | | ug/kg | 38500 | -- | 1000 |
| Aroclor 1248 | 320000 | | ug/kg | 38500 | -- | 1000 |
| Aroclor 1254 | ND | | ug/kg | 38500 | -- | 1000 |
| Aroclor 1260 | ND | | ug/kg | 38500 | -- | 1000 |
| Aroclor 1262 | ND | | ug/kg | 38500 | -- | 1000 |
| Aroclor 1268 | ND | | ug/kg | 38500 | -- | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-63 | D | Date Collected: | 05/21/10 10:30 |
| Client ID: | VS-37 (9'-10') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/08/10 08:01 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 794 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 794 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 794 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 794 | -- | 20 |
| Aroclor 1248 | 3960 | | ug/kg | 794 | -- | 20 |
| Aroclor 1254 | ND | | ug/kg | 794 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 794 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 794 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 794 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-68 | D | Date Collected: | 05/21/10 10:50 |
| Client ID: | VS-39 (7'-8') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/08/10 08:14 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 386 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 386 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 386 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 386 | -- | 10 |
| Aroclor 1254 | ND | | ug/kg | 386 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 386 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 386 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 386 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-68 | D | Date Collected: | 05/21/10 10:50 |
| Client ID: | VS-39 (7'-8') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/08/10 08:14 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 1800 | | ug/kg | 386 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007704-69 | Date Collected: | 05/21/10 10:50 |
| Client ID: | VS-39 (8'-9') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/06/10 16:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | A |
| Decachlorobiphenyl | 90 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | B |
| Decachlorobiphenyl | 82 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007704-69 | Date Collected: | 05/21/10 10:50 |
| Client ID: | VS-39 (8'-9') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/06/10 16:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 450 | | ug/kg | 35.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | A |
| Decachlorobiphenyl | 90 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | B |
| Decachlorobiphenyl | 82 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-70 | D | Date Collected: | 05/21/10 10:50 |
| Client ID: | VS-39 (9'-10') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/08/10 08:26 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 191 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 191 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 191 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 191 | -- | 5 |
| Aroclor 1254 | ND | | ug/kg | 191 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 191 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 191 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 191 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | A |
| Decachlorobiphenyl | 116 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | B |
| Decachlorobiphenyl | 84 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-70 | D | Date Collected: | 05/21/10 10:50 |
| Client ID: | VS-39 (9'-10') | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/08/10 08:26 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 1150 | | ug/kg | 191 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | A |
| Decachlorobiphenyl | 116 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | B |
| Decachlorobiphenyl | 84 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-71 | D | Date Collected: | 05/21/10 10:50 |
| Client ID: | VS-39 (9'-10') DUP | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/08/10 08:38 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 193 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 193 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 193 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 193 | -- | 5 |
| Aroclor 1254 | ND | | ug/kg | 193 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 193 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 193 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 193 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | A |
| Decachlorobiphenyl | 116 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 | B |
| Decachlorobiphenyl | 96 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1007704-71 | D | Date Collected: | 05/21/10 10:50 |
| Client ID: | VS-39 (9'-10') DUP | | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/08/10 08:38 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 1060 | | ug/kg | 193 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | A |
| Decachlorobiphenyl | 116 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 | B |
| Decachlorobiphenyl | 96 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007704-72 | Date Collected: | 05/21/10 11:05 |
| Client ID: | VS-40 (7'-8') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/06/10 16:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 | A |
| Decachlorobiphenyl | 92 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | B |
| Decachlorobiphenyl | 76 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007704-73 | Date Collected: | 05/21/10 11:05 |
| Client ID: | VS-40 (8'-9') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/06/10 17:04 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | A |
| Decachlorobiphenyl | 87 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 | B |
| Decachlorobiphenyl | 83 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007704-74 | Date Collected: | 05/21/10 11:05 |
| Client ID: | VS-40 (9'-10') | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/06/10 17:17 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1248 | 107 | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 81 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | B |
| Decachlorobiphenyl | 81 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007704-79 | Date Collected: | 05/21/10 11:30 |
| Client ID: | VS-42 (7-8) | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/06/10 17:29 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 | A |
| Decachlorobiphenyl | 89 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 74 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007704-79 | Date Collected: | 05/21/10 11:30 |
| Client ID: | VS-42 (7-8) | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/06/10 17:29 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 101 | | ug/kg | 37.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 | A |
| Decachlorobiphenyl | 89 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 74 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007704-80 | Date Collected: | 05/21/10 11:30 |
| Client ID: | VS-42 (8-9) | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/06/10 17:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | A |
| Decachlorobiphenyl | 87 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 77 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01
**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1007704-81 | Date Collected: | 05/21/10 11:30 |
| Client ID: | VS-42 (9-10) | Date Received: | 05/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/02/10 23:00 |
| Analytical Date: | 06/06/10 17:53 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/06/10 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/06/10 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.3 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 39.3 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 39.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | A |
| Decachlorobiphenyl | 83 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 95 | | 30-150 | B |
| Decachlorobiphenyl | 86 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/02/10 10:59
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 05/29/10 01:00
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/02/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/02/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 43-45,49-50 Batch: WG415235-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.8 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | A |
| Decachlorobiphenyl | 83 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 142 | | 30-150 | B |
| Decachlorobiphenyl | 118 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/03/10 11:42
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 06/01/10 19:17
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/03/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/03/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 03,08-09,24,28-29,33,35-37 Batch: WG415533-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 | A |
| Decachlorobiphenyl | 113 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | B |
| Decachlorobiphenyl | 85 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/04/10 13:14
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 06/02/10 23:00
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/04/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/04/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01,61-63,68-74,79-81 Batch: WG415835-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.4 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.4 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 | A |
| Decachlorobiphenyl | 56 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 111 | | 30-150 | B |
| Decachlorobiphenyl | 75 | | 30-150 | B |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/10/10 09:57
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 06/09/10 01:45
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/10/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/10/10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 04,13-14,34 Batch: WG416866-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.2 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 52 | | 30-150 | A |
| Decachlorobiphenyl | 56 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 51 | | 30-150 | B |
| Decachlorobiphenyl | 47 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 43-45,49-50 Batch: WG415235-2 WG415235-3 | | | | | | | | |
| Aroclor 1016 | 131 | | 107 | | 40-140 | 20 | | 50 |
| Aroclor 1260 | 118 | | 98 | | 40-140 | 19 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 75 | | 30-150 | A |
| Decachlorobiphenyl | 114 | | 90 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 77 | | 30-150 | B |
| Decachlorobiphenyl | 76 | | 75 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 03,08-09,24,28-29,33,35-37 Batch: WG415533-2 WG415533-3 | | | | | | | | |
| Aroclor 1016 | 123 | | 136 | | 40-140 | 10 | | 50 |
| Aroclor 1260 | 116 | | 138 | | 40-140 | 17 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 105 | | 103 | | 30-150 | A |
| Decachlorobiphenyl | 112 | | 114 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 88 | | 30-150 | B |
| Decachlorobiphenyl | 77 | | 87 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01,61-63,68-74,79-81 Batch: WG415835-2 WG415835-3 | | | | | | | | |
| Aroclor 1016 | 109 | | 72 | | 40-140 | 41 | | 50 |
| Aroclor 1260 | 113 | | 91 | | 40-140 | 22 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 87 | | 30-150 | A |
| Decachlorobiphenyl | 103 | | 68 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 76 | | 30-150 | B |
| Decachlorobiphenyl | 72 | | 55 | | 30-150 | B |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 04,13-14,34 Batch: WG416866-2 WG416866-3 | | | | | | | | |
| Aroclor 1016 | 51 | | 115 | | 40-140 | **77** | Q | 50 |
| Aroclor 1260 | 59 | | 114 | | 40-140 | **64** | Q | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 44 | | 98 | | 30-150 | A |
| Decachlorobiphenyl | 54 | | 104 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 41 | | 95 | | 30-150 | B |
| Decachlorobiphenyl | 44 | | 87 | | 30-150 | B |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-01
Client ID: SB-131 (4'-5')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/19/10 08:15
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 25 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-03
Client ID: SB-69A (18"-21")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:25
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-04
Client ID: SB-69A (21"-24")
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:25
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-08
Client ID: SB-103 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 09:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-09
Client ID: SB-103 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 09:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-13
Client ID: SB-104 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 11:10
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-14
Client ID: SB-104 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 11:10
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-24
Client ID: SB-107 (5'-6')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 13:55
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-28
Client ID: SB-116 (5'-6')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 10:20
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-29
Client ID: SB-117 (7'-8')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/20/10 10:40
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-33
Client ID: SB-108 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 08:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-34
Client ID: SB-108 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 08:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-35
Client ID: SB-108 (3'-4')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 08:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-36
Client ID: SB-108 (4'-5')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 08:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-37
Client ID: SB-108 (5'-6')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 08:45
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-43
Client ID: SB-132 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:50
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 68 | | % | 0.10 | NA | 1 | - | 06/01/10 16:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-44
Client ID: SB-132 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:50
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | NA | 1 | - | 06/01/10 16:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-45
Client ID: SB-132 (2'-3')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 09:50
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 06/01/10 16:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-49
Client ID: SB-133 (0'-1')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 10:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/01/10 16:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-50
Client ID: SB-133 (1'-2')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 10:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 06/01/10 16:43 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-61
Client ID: VS-37 (7'-8')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 10:30
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-62
Client ID: VS-37 (8'-9')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 10:30
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-63
Client ID: VS-37 (9'-10')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 10:30
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-68
Client ID: VS-39 (7'-8')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 10:50
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-69
Client ID: VS-39 (8'-9')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 10:50
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 06/03/10 12:51 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-70
Client ID: VS-39 (9'-10')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 10:50
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 06/03/10 13:31 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-71
Client ID: VS-39 (9'-10') DUP
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 10:50
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 06/03/10 13:31 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-72
Client ID: VS-40 (7'-8')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 11:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 06/03/10 13:31 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-73
Client ID: VS-40 (8'-9')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 11:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 06/03/10 13:31 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-74
Client ID: VS-40 (9'-10')
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 11:05
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 06/03/10 13:31 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-79
Client ID: VS-42 (7-8)
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 11:30
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 06/03/10 13:31 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-80
Client ID: VS-42 (8-9)
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 11:30
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 06/03/10 13:31 | 30,2540G | AC |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## SAMPLE RESULTS

Lab ID: L1007704-81
Client ID: VS-42 (9-10)
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 05/21/10 11:30
Date Received: 05/21/10
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | NA | 1 | - | 06/03/10 13:31 | 30,2540G | AC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 43-45,49-50 QC Batch ID: WG415516-1 QC Sample: L1007703-33 Client ID: DUP Sample | | | | | | |
| Solids, Total | 78 | 79 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 01,03-04,08-09,13-14,24,28-29,33-37,61-6 QC Batch ID: WG415961-1 QC Sample: L1007704-03 Client ID: SB-69A (18"-21") | | | | | | |
| Solids, Total | 90 | 88 | % | 2 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 70-74,79-81 QC Batch ID: WG415967-1 QC Sample: L1008124-21 Client ID: DUP Sample | | | | | | |
| Solids, Total | 94 | 93 | % | 1 | | 20 |

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| A | Absent |
| B | Absent |
| C | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007704-01A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-02A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-03A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-04A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-05A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-06A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-07A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-08A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-09A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-10A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-11A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-12A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-13A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-14A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-15A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-16A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-17A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-18A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-19A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-20A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-21A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-22A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-23A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-24A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |

*Values in parentheses indicate holding time in days

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007704-25A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-26A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-27A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-28A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-29A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-30A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-31A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-32A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-33A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-34A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-35A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-36A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-37A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-38A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-39A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-40A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-41A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-42A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-43A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-44A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-45A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-46A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-47A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-48A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-49A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-50A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-51A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-52A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-53A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-54A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-55A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-56A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-57A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-58A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-59A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-60A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |

*Values in parentheses indicate holding time in days

**Project Name:** 1 INDIA STREET
**Project Number:** 0222610.01

**Lab Number:** L1007704
**Report Date:** 06/11/10

## Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1007704-61A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-62A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-62B | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | PCB-8082() |
| L1007704-62C | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | PCB-8082() |
| L1007704-63A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-64A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-65A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-66A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-67A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-68A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-69A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-70A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-71A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-72A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-73A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-74A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-75A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-76A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-77A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-77B | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-77C | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | HOLD(14) |
| L1007704-79A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-80A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |
| L1007704-81A | Amber 120ml unpreserved | A | N/A | 3.0 | Y | Absent | TS(7),PCB-8082() |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007704 |
| **Project Number:** | 0222610.01 | **Report Date:** | 06/11/10 |

## GLOSSARY

***Acronyms***

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007704 |
| **Project Number:** | 0222610.01 | **Report Date:** | 06/11/10 |

***Data Qualifiers***

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 1 INDIA STREET | **Lab Number:** | L1007704 |
| **Project Number:** | 0222610.01 | **Report Date:** | 06/11/10 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised May 19, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

**Analytes Not Accredited by NELAP**
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

# CHAIN OF CUSTODY

PAGE 11 OF 19

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007704


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: WOODARD + CURRAN

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 INDIA ST

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| | |

Other Project Specific Requirements/Comments/Detection Limits:

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs 1668 | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07704.1 | SB-131 (4'-5') | 5/19/10 | 815 | S | GR | X | Hold all samples on COC until instructed by W&C | 1 |
| 2 | SB-131 (5'-6') | ↓ | ↓ | ↓ | ↓ | X | | 1 |
| 3 | SB-69A (18"-21") | 5/20/10 | 1325 | | | X | | 1 |
| 4 | SB-69A (21"-24") | | ↓ | | | X | | 1 |
| 5 | SB-102 (3'-4') | | 855 | | | X | | 1 |
| 6 | SB-102 (4'-5') | | ↓ | | | X | | 1 |
| 7 | SB-102 (5'-6') | | ↓ | | | X | | 1 |
| 8 | SB-103 (1'-2') | | 905 | | | X | | 1 |
| 9 | SB-103 (2'-3') | | ↓ | | | X | | 1 |
| 10 | SB-103 (3'-4') | ↓ | ↓ | ↓ | ↓ | X | | 1 |
| | | | | | | | | |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1000 | | 5/21/10 |
| | 5/21/10 | | 5/21/10 17:35 |
| | 5/21/10 19:55 | | 5/21/10 1958 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

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Date Rec'd in Lab: 5/21/16

ALPHA Job #: L1607704


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: Woodard + Curran

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 India Street

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| | |

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: PCBs Hold

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs Hold | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 0704-11 | SB-103(4'-5') | 5/20/16 | 905 | S | GR | X | Hold all samples | 1 |
| 12 | SB-103(5'-6') | | | | | X | on this COC | 1 |
| 13 | SB-104(1'-2') | | 1110 | | | X | until instructed | 1 |
| 14 | SB-104(2'-3') | | | | | X | by W&C | 1 |
| 15 | SB-104(3'-4') | | | | | X | | 1 |
| 16 | SB-104(4'-5') | | | | | X | | 1 |
| 17 | SB-104(5'-6') | | | | | X | | 1 |
| 18 | SB-105(3'-4') | | 1120 | | | X | | 1 |
| 19 | SB-105(4'-5') | | | | | X | | 1 |
| 20 | SB-105(5'-6') | | | | | X | | 1 |
| | | | | | | | Container Type | A |
| | | | | | | | Preservative | A |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/16 1600 | | 5/21/16 |
| | 5/21/16 | | 5/21/16 17:35 |
| | 5/21/16 1955 | | 5/21/16 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 13 OF 19

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007704

**Client Information**

Client: WOODARD + CURRAN

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 INDIA ST

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| | |

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: PCBs - Hold

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs - Hold | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 1007704-21 | SB-106 (3'-4') | 5/20/10 | 1135 | S | GR | X | Please hold all | 1 |
| 22 | SB-106 (4'-5') | | | | | X | Samples on this | 1 |
| 23 | SB-106 (5'-6') | | | | | X | COC until instructed | 1 |
| 24 | SB-107 (5'-6') | | 1355 | | | X | by W&C | 1 |
| 25 | SB-114 (4'-5') | | 925 | | | X | | 1 |
| 26 | SB-115 (4'-5') | | 950 | | | X | | 1 |
| 27 | SB-115 (5'-6') | | | | | X | | 1 |
| 28 | SB-116 (5'-6') | | 1020 | | | X | | 1 |
| 29 | SB-117 (7'-8') | | 1040 | | | X | | 1 |
| 30 | SB-118 (7'-8') | | 1315 | | | X | | 1 |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 5/21/10 1600 | P. Gilbert | 5/21/10 1735 |
| | 5/21/10 19:55 | | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 14 OF 19

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007704

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: WOODARD + CURRAN
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 INDIA ST
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| | |

Other Project Specific Requirements/Comments/Detection Limits:

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs Hold | SAMPLE HANDLING | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07704-31 | SB-119 (4'-5') | 5/20/10 | 1335 | S | GR | X | HOLD ALL SAMPLES ON THIS COC UNTIL INSTRUCTED BY W+C. | 1 |
| 32 | SB-120 (4'-5') | 5/20/10 | 1345 | | | X | | 1 |
| 33 | SB-108 (1'-2') | 5/21/10 | 845 | | | X | | 1 |
| 34 | SB-108 (2'-3') | | | | | X | | 1 |
| 35 | SB-108 (3'-4') | | | | | X | | 1 |
| 36 | SB-108 (4'-5') | | | | | X | | 1 |
| 37 | SB-108 (5'-6') | | | | | X | | 1 |
| 38 | SB-109 (2'-3') | | 940 | | | X | | 1 |
| 39 | SB-110 (2'-3') | | 930 | | | X | | 1 |
| 40 | SB-111 (7'-8') | | 920 | | | X | | 1 |

**SAMPLE HANDLING**
Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

| | |
|---|---|
| Container Type | A |
| Preservative | A |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gillett | 5/21/10 16:00 | P. Gillett | 5/21/10 17:35 |
| P. Gillett | 5/21/10 19:55 | | 5/21/10 1908 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 15 OF 19

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007704


ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288


**Client Information**

Client: WOODARD + CURRAN

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: INDIA ST

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| | |

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: RCBS - Hold

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | RCBS - Hold | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07704.41 | SB-112 (3'-4') | 5/21/10 | 910 | S | GR | X | HOLD ALL | 1 |
| 42 | SB-113 (3'-4') | | 900 | | | X | SAMPLES ON | 1 |
| 43 | SB-132 (0'-1') | | 950 | | | X | THIS COC UNTIL | 1 |
| 44 | SB-132 (1'-2') | | | | | X | INSTRUCTED | 1 |
| 45 | SB-132 (2'-3') | | | | | X | BY W+C. | 1 |
| 46 | SB-132 (3'-4') | | | | | X | | 1 |
| 47 | SB-132 (4'-5') | | | | | X | | 1 |
| 48 | SB-132 (5'-6') | | | | | X | | 1 |
| 49 | SB-133 (0'-1') | | 1005 | | | X | | 1 |
| 50 | SB-133 (1'-2') | | | | | X | | 1 |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 5/21/10 1600 | J.P. Gilbert | 5/21/10 |
| P. Gilbert | 5/21/10 1955 | J.P. Gilbert | 5/21/10 17:35 |
| | | | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 16 OF 19

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007704


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: WOODARD + CURRAN

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 INDIA ST

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| | |

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: PCBs - HOLD

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs - HOLD | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 1007704-51 | SB-133 (2'-3') | 5/21/10 | 1005 | S | GR | X | HOLD ALL SAMPLES ON THIS COC UNTIL INSTRUCTED BY W+C. | 1 |
| 52 | SB-133 (3'-4') | | | | | X | | 1 |
| 53 | SB-133 (4'-5') | | | | | X | | 1 |
| 54 | SB-133 (5'-6') | | | | | X | | 1 |
| 55 | VS-36 (7'-8') | | 1145 | | | X | | 1 |
| 56 | VS-36 (8'-9') | | | | | X | | 1 |
| 57 | VS-36 (9'-10') | | | | | X | | 1 |
| 58 | VS-36 (7'-8') | | 1015 | | | X | | 1 |
| 59 | VS-36 (8'-9') | | | | | X | | 1 |
| 60 | VS-36 (9'-10') | | | | | X | | 1 |
| | | | | | Container Type | A | | |
| | | | | | Preservative | A | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 5/21/10 1400 | P. Gilbert | 5/21/10 1725 |
| P. Gilbert | 5/21/10 | | 5/21/10 1455 |
| | 5/21/10 19:55 | | |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

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ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007709

**Client Information**

Client: WOODARD + CURRAN
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 INDIA ST
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client Info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| | |

Other Project Specific Requirements/Comments/Detection Limits:

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs - 1668 | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07709-01 | VS-37 (7'-8') | 5/21/10 | 1030 | S | GR | X | HOLD ALL | 1 |
| 02 | VS-37 (8'-9') | | | | | X | SAMPLES ON | 1 |
| 02 | VS-37 (8'-9') MS | | | | | X | THIS COC UNTIL | 1 |
| 02 | VS-37 (8'-9') MSD | | | | | X | INSTRUCTED | 1 |
| 03 | VS-37 (9'-10') | | | | | X | BY WTC. | 1 |
| 04 | VS-38 (7'-8') | | 1040 | | | X | | 1 |
| 05 | VS-38 (8'-9') | | | | | X | | 1 |
| 06 | VS-38 (8'-9') Dup | | | | | X | | 1 |
| 07 | VS-38 (9'-10') | | | | | X | | 1 |
| 08 | VS-39 (7'-8') | | 1050 | | | X | | 1 |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

**SAMPLE HANDLING**
Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 5/21/10 1600 | P. Gilbert | 5/21/10 17:32 |
| P. Gilbert | 5/21/10 19:55 | | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 18 OF 19

ALPHA ANALYTICAL
WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193
MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007704

**Client Information**

Client: WOODARD + CURRAN
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 INDIA ST
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: PCBs - HOLD

**SAMPLE HANDLING**
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs - HOLD | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 07704.69 | VS-39 (8'-9') | 5/21/10 | 1050 | S | GR | X | HOLD ALL | 1 |
| 70 | VS-39 (9'-10') | ↓ | ↓ | ↓ | ↓ | X | SAMPLES ON | 1 |
| 71 | VS-39 (9'-10') Dup | ↓ | ↓ | ↓ | ↓ | X | THIS COC UNTIL | 1 |
| 72 | VS-40 (7'-8') | ↓ | 1105 | ↓ | ↓ | X | INSTRUCTED BY | 1 |
| 73 | VS-40 (8'-9') | ↓ | ↓ | ↓ | ↓ | X | W+C. | 1 |
| 74 | VS-40 (9'-10') | ↓ | ↓ | ↓ | ↓ | X | | 1 |
| 75 | VS-41 (7'-8') | ↓ | 1115 | ↓ | ↓ | X | | 1 |
| 76 | VS-41 (8'-9') | ↓ | ↓ | ↓ | ↓ | X | | 1 |
| 77 | VS-41 (9'-10') | ↓ | ↓ | ↓ | ↓ | X | | 1 |
| 77 | VS-41 (9'-10') MS | ↓ | ↓ | ↓ | ↓ | X | | 1 |

Container Type: A
Preservative: A

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 5/21/10 1600 | [signature] | 5/21/10 |
| [signature] | 5/21/10 | [signature] | 5/21/10 17:35 |
| P. Gilbert | 5/21/10 19:55 | P. Gilbert | 5/21/10 1955 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

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Date Rec'd in Lab: 5/21/10

ALPHA Job #: L1007704


ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288


**Client Information**

Client: WOODARD & CURRAN

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 1 INDIA ST

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due: Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State /Fed Program | Criteria |
|---|---|
| | |

Other Project Specific Requirements/Comments/Detection Limits:

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs - Hold | SAMPLE HANDLING | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|
| 07041 77 | VS-41(9-10')MSD | 5/21/10 | 1115 | S | GR | X | | HOLD SAMPLE ON THIS COC UNTIL INSTRUCTED BY W&C. | 1 |

SAMPLE HANDLING

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| | |
|---|---|
| Container Type | A |
| Preservative | A |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/21/10 1600 | | 5/21/10 |
| | 5/21/10 1600 | | 5/21/10 17:35 |
| | 5/21/10 19:55 | | 5/21/10 1905 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1108231 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER-PVD |
| Project Number: | C569-000 |
| Report Date: | 06/19/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1108231-01 | SB-136 (0-1) | PROVIDENCE, RI | 06/09/11 07:40 |
| L1108231-02 | SB-136 (1-2) | PROVIDENCE, RI | 06/09/11 07:45 |
| L1108231-03 | SB-136 (2-3) | PROVIDENCE, RI | 06/09/11 07:50 |
| L1108231-04 | SB-136 (3-4) | PROVIDENCE, RI | 06/09/11 07:55 |
| L1108231-05 | SB-135 (0-1) | PROVIDENCE, RI | 06/09/11 08:00 |
| L1108231-06 | SB-135 (1-2) | PROVIDENCE, RI | 06/09/11 08:05 |
| L1108231-07 | SB-135 (2-3) | PROVIDENCE, RI | 06/09/11 08:10 |
| L1108231-08 | SB-135 (3-4) | PROVIDENCE, RI | 06/09/11 08:15 |
| L1108231-09 | SB-134 (0-1) | PROVIDENCE, RI | 06/09/11 08:20 |
| L1108231-10 | SB-134 (1-2) | PROVIDENCE, RI | 06/09/11 08:25 |
| L1108231-11 | SB-134 (2-3) | PROVIDENCE, RI | 06/09/11 08:30 |
| L1108231-12 | SB-134 (3-4) | PROVIDENCE, RI | 06/09/11 08:35 |
| L1108231-13 | SB-158 (0-1) | PROVIDENCE, RI | 06/09/11 08:40 |
| L1108231-14 | SB-158 (1-2) | PROVIDENCE, RI | 06/09/11 08:45 |
| L1108231-15 | SB-158 (2-3) | PROVIDENCE, RI | 06/09/11 08:50 |
| L1108231-16 | SB-158 (3-4) | PROVIDENCE, RI | 06/09/11 08:55 |
| L1108231-17 | SB-162 (0-1) | PROVIDENCE, RI | 06/09/11 09:00 |
| L1108231-18 | SB-162 (1-2) | PROVIDENCE, RI | 06/09/11 09:05 |
| L1108231-19 | SB-162 (2-3) | PROVIDENCE, RI | 06/09/11 09:10 |
| L1108231-20 | SB-162 (3-4) | PROVIDENCE, RI | 06/09/11 09:15 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCBs

L1108231-05, -09 and -17 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

L1108231-13 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/19/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108231-01 | Date Collected: | 06/09/11 07:40 |
| Client ID: | SB-136 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:10 |
| Analytical Date: | 06/15/11 23:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 |
| Decachlorobiphenyl | 82 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108231-02 | Date Collected: | 06/09/11 07:45 |
| Client ID: | SB-136 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:10 |
| Analytical Date: | 06/15/11 23:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 100 | | 30-150 |
| Decachlorobiphenyl | 85 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108231-03 | Date Collected: | 06/09/11 07:50 |
| Client ID: | SB-136 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:10 |
| Analytical Date: | 06/15/11 23:59 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108231-05 | Date Collected: | 06/09/11 08:00 |
| Client ID: | SB-135 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:10 |
| Analytical Date: | 06/16/11 00:12 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 74.0 | -- | 2 |
| Aroclor 1221 | ND | | ug/kg | 74.0 | -- | 2 |
| Aroclor 1232 | ND | | ug/kg | 74.0 | -- | 2 |
| Aroclor 1242 | ND | | ug/kg | 74.0 | -- | 2 |
| Aroclor 1248 | ND | | ug/kg | 74.0 | -- | 2 |
| Aroclor 1254 | 117 | | ug/kg | 74.0 | -- | 2 |
| Aroclor 1260 | 102 | | ug/kg | 74.0 | -- | 2 |
| Aroclor 1262 | ND | | ug/kg | 74.0 | -- | 2 |
| Aroclor 1268 | ND | | ug/kg | 74.0 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 72 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108231-06 | Date Collected: | 06/09/11 08:05 |
| Client ID: | SB-135 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:10 |
| Analytical Date: | 06/16/11 00:26 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108231-07 | Date Collected: | 06/09/11 08:10 |
| Client ID: | SB-135 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:10 |
| Analytical Date: | 06/16/11 00:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 122 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108231-09 | Date Collected: | 06/09/11 08:20 |
| Client ID: | SB-134 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:10 |
| Analytical Date: | 06/16/11 00:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 112 | -- | 3 |
| Aroclor 1221 | ND | | ug/kg | 112 | -- | 3 |
| Aroclor 1232 | ND | | ug/kg | 112 | -- | 3 |
| Aroclor 1242 | ND | | ug/kg | 112 | -- | 3 |
| Aroclor 1248 | ND | | ug/kg | 112 | -- | 3 |
| Aroclor 1254 | ND | | ug/kg | 112 | -- | 3 |
| Aroclor 1260 | ND | | ug/kg | 112 | -- | 3 |
| Aroclor 1262 | ND | | ug/kg | 112 | -- | 3 |
| Aroclor 1268 | ND | | ug/kg | 112 | -- | 3 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 56 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 |
| Decachlorobiphenyl | 79 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108231-10 | Date Collected: | 06/09/11 08:25 |
| Client ID: | SB-134 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:10 |
| Analytical Date: | 06/16/11 01:05 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 97 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 121 | | 30-150 |
| Decachlorobiphenyl | 99 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108231-11 | Date Collected: | 06/09/11 08:30 |
| Client ID: | SB-134 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:10 |
| Analytical Date: | 06/16/11 01:18 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 97 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1108231
**Project Number:** C569-000
**Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108231-13 | D | Date Collected: | 06/09/11 08:40 |
| Client ID: | SB-158 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:10 |
| Analytical Date: | 06/17/11 18:43 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 361 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 361 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 361 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 361 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 361 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 361 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 361 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 |
| Decachlorobiphenyl | 90 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 |
| Decachlorobiphenyl | 97 | | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108231

**Project Number:** C569-000 **Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108231-13 | D | Date Collected: | 06/09/11 08:40 |
| Client ID: | SB-158 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:10 |
| Analytical Date: | 06/17/11 18:43 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 2000 | | ug/kg | 361 | -- | 10 |
| Aroclor 1254 | 1160 | | ug/kg | 361 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 |
| Decachlorobiphenyl | 90 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 |
| Decachlorobiphenyl | 97 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108231-14 | Date Collected: | 06/09/11 08:45 |
| Client ID: | SB-158 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:10 |
| Analytical Date: | 06/16/11 01:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108231

**Project Number:** C569-000 **Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108231-14 | Date Collected: | 06/09/11 08:45 |
| Client ID: | SB-158 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:10 |
| Analytical Date: | 06/16/11 01:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 80.3 | | ug/kg | 38.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108231-15 | Date Collected: | 06/09/11 08:50 |
| Client ID: | SB-158 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:10 |
| Analytical Date: | 06/16/11 01:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 82% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 40.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 40.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 40.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 40.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 40.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 40.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 40.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 40.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108231-17 | Date Collected: | 06/09/11 09:00 |
| Client ID: | SB-162 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:33 |
| Analytical Date: | 06/16/11 02:12 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 76.8 | -- | 2 |
| Aroclor 1221 | ND | | ug/kg | 76.8 | -- | 2 |
| Aroclor 1232 | ND | | ug/kg | 76.8 | -- | 2 |
| Aroclor 1242 | ND | | ug/kg | 76.8 | -- | 2 |
| Aroclor 1248 | ND | | ug/kg | 76.8 | -- | 2 |
| Aroclor 1260 | ND | | ug/kg | 76.8 | -- | 2 |
| Aroclor 1262 | ND | | ug/kg | 76.8 | -- | 2 |
| Aroclor 1268 | ND | | ug/kg | 76.8 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108231

**Project Number:** C569-000 **Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108231-17 | Date Collected: | 06/09/11 09:00 |
| Client ID: | SB-162 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:33 |
| Analytical Date: | 06/16/11 02:12 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 488 | | ug/kg | 76.8 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108231-18 | Date Collected: | 06/09/11 09:05 |
| Client ID: | SB-162 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:34 |
| Analytical Date: | 06/16/11 02:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1108231
**Project Number:** C569-000
**Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108231-18 | Date Collected: | 06/09/11 09:05 |
| Client ID: | SB-162 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:34 |
| Analytical Date: | 06/16/11 02:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 101 | | ug/kg | 38.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108231-19 | Date Collected: | 06/09/11 09:10 |
| Client ID: | SB-162 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:35 |
| Analytical Date: | 06/17/11 01:09 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 90 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/15/11 03:53
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 06/10/11 20:10
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/13/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/13/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-03,05-07,09-11,13-15,17-19 Batch: WG472542-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.1 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 114 | | 30-150 |
| Decachlorobiphenyl | 127 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 147 | | 30-150 |
| Decachlorobiphenyl | 149 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER-PVD

**Project Number:** C569-000

**Lab Number:** L1108231

**Report Date:** 06/19/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-03,05-07,09-11,13-15,17-19 Batch: WG472542-2 WG472542-3 | | | | | | | | |
| Aroclor 1016 | 92 | | 97 | | 40-140 | 5 | | 50 |
| Aroclor 1260 | 105 | | 115 | | 40-140 | 9 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 92 | | 30-150 |
| Decachlorobiphenyl | 71 | | 74 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 85 | | 30-150 |
| Decachlorobiphenyl | 73 | | 73 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

Lab ID: L1108231-01
Client ID: SB-136 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 07:40
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

Lab ID: L1108231-02
Client ID: SB-136 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 07:45
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

Lab ID: L1108231-03
Client ID: SB-136 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 07:50
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

Lab ID: L1108231-05
Client ID: SB-135 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 08:00
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

Lab ID: L1108231-06
Client ID: SB-135 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 08:05
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

Lab ID: L1108231-07
Client ID: SB-135 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 08:10
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

Lab ID: L1108231-09
Client ID: SB-134 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 08:20
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

Lab ID: L1108231-10
Client ID: SB-134 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 08:25
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

Lab ID: L1108231-11
Client ID: SB-134 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 08:30
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

Lab ID: L1108231-13
Client ID: SB-158 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 08:40
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

Lab ID: L1108231-14
Client ID: SB-158 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 08:45
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

Lab ID: L1108231-15
Client ID: SB-158 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 08:50
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

Lab ID: L1108231-17
Client ID: SB-162 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 09:00
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

Lab ID: L1108231-18
Client ID: SB-162 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 09:05
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

## SAMPLE RESULTS

Lab ID: L1108231-19
Client ID: SB-162 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 09:10
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-03,05-07,09-11,13-15,17-19 QC Batch ID: WG472778-1 QC Sample: L1108231-01 Client ID: SB-136 (0-1) | | | | | | |
| Solids, Total | 89 | 90 | % | 1 | | 20 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108231
**Report Date:** 06/19/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1108231-01A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108231-02A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108231-03A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108231-04A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108231-05A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108231-06A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108231-07A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108231-08A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108231-09A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108231-10A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108231-11A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108231-12A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108231-13A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108231-14A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108231-15A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108231-16A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108231-17A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108231-18A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108231-19A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108231-20A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1108231 |
| **Project Number:** | C569-000 | **Report Date:** | 06/19/11 |

## GLOSSARY

### *Acronyms*

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### *Footnotes*

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1108231 |
| **Project Number:** | C569-000 | **Report Date:** | 06/19/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1108231 |
| **Project Number:** | C569-000 | **Report Date:** | 06/19/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised June 7, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil (*Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2)

*Non-Potable Water* (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,**

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 1 OF 11

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108231


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: ESS Group, Inc.
Address: 401 Wampanoag Trl Suite 400
Phone: 401-330-1218
Fax:
Email: kpurdy@essgroup.com
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister - PVD
Project Location: Providence, RI
Project #: C569-000
Project Manager: Kevin Purdy
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 6/16/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RIDEM Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/ SAT

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's w/ SAT | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 08231.1 | SB-136(0-1) | 6-9-11 | 0740 | S | JDA | X | | |
| 2 | SB-136(1-2) | | 0745 | | | X | | |
| 3 | SB-136(2-3) | | 0750 | | | X | | |
| 4 | SB-136(3-4) | | 0755 | | | X | HOLD | |
| 5 | SB-135(0-1) | | 0800 | | | X | | |
| 6 | SB-135(1-2) | | 0805 | | | X | | |
| 7 | SB-135(2-3) | | 0810 | | | X | | |
| 8 | SB-135(3-4) | | 0815 | | | X | HOLD | |
| 9 | SB-134(0-1) | | 0820 | | | X | | |
| 10 | SB-134(1-2) | | 0825 | | | X | | |

Container Type
Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 6/9/11 1500 | | 6/9/11 1550 |
| | 6/9/11 1750 | | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 2 OF 11

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108231

**Client Information**

Client: ESS Group, Inc.
Address: 401 Wampanoag
Phone: 401-330-1218
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:
Project Location:
Project #:
Project Manager: Kevin Purdy
ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 6/16/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RIDEM Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/ SCX

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 08231 11 | SB-134 (2-3) | 6-9-11 | 830 | S | JDA | X | | |
| 12 | SB-134 (3-4) | | 835 | | | X | HOLD | |
| 13 | SB-158 (0-1) | | 840 | | | X | | |
| 14 | SB-158 (1-2) | | 845 | | | X | | |
| 15 | SB-158 (2-3) | | 850 | | | X | | |
| 16 | SB-158 (3-4) | | 855 | | | X | HOLD | |
| 17 | SB-162 (0-1) | | 0900 | | | X | | |
| 18 | SB-162 (1-2) | | 0905 | | | X | | |
| 19 | SB-162 (2-3) | | 0910 | | | X | | |
| 20 | SB-162 (3-4) | | 0915 | | | X | HOLD | |

Container Type
Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By | Date/Time |
|---|---|---|---|
| | 6/9/11 1750 | | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1108232 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER-PVD |
| Project Number: | C569-000 |
| Report Date: | 06/21/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108232
**Report Date:** 06/21/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1108232-01 | SB-157 (0-1) | PROVIDENCE, RI | 06/09/11 09:20 |
| L1108232-02 | SB-157 (1-2) | PROVIDENCE, RI | 06/09/11 09:25 |
| L1108232-03 | SB-157 (2-3) | PROVIDENCE, RI | 06/09/11 09:30 |
| L1108232-04 | SB-157 (3-4) | PROVIDENCE, RI | 06/09/11 09:35 |
| L1108232-05 | SB-157 (4-5) | PROVIDENCE, RI | 06/09/11 09:40 |
| L1108232-06 | SB-157 (5-6) | PROVIDENCE, RI | 06/09/11 09:45 |
| L1108232-07 | SB-157 (6-7) | PROVIDENCE, RI | 06/09/11 09:50 |
| L1108232-08 | SB-157 (7-8) | PROVIDENCE, RI | 06/09/11 09:55 |
| L1108232-09 | SB-157 (8-9) | PROVIDENCE, RI | 06/09/11 10:00 |
| L1108232-10 | SB-157 (9-10) | PROVIDENCE, RI | 06/09/11 10:05 |
| L1108232-11 | SB-161 (3-4) | PROVIDENCE, RI | 06/09/11 10:35 |
| L1108232-12 | SB-161 (4-5) | PROVIDENCE, RI | 06/09/11 10:40 |
| L1108232-13 | SB-161 (7-8) | PROVIDENCE, RI | 06/09/11 10:55 |
| L1108232-14 | SB-165 (0-1) | PROVIDENCE, RI | 06/09/11 11:00 |
| L1108232-15 | SB-165 (1-2) | PROVIDENCE, RI | 06/09/11 11:05 |
| L1108232-16 | SB-165 (2-3) | PROVIDENCE, RI | 06/09/11 11:10 |
| L1108232-17 | SB-165 (3-4) | PROVIDENCE, RI | 06/09/11 11:15 |
| L1108232-18 | SB-167 (0-1) | PROVIDENCE, RI | 06/09/11 11:20 |
| L1108232-19 | SB-167 (1-2) | PROVIDENCE, RI | 06/09/11 11:25 |
| L1108232-20 | SB-167 (2-3) | PROVIDENCE, RI | 06/09/11 11:30 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108232
**Report Date:** 06/21/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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PCB

L1108232-01, -02, -03 and -15 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L1108232-01, -02 and -03 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/21/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108232

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108232-01 | D | Date Collected: | 06/09/11 09:20 |
| Client ID: | SB-157 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 01:52 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1880 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1880 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1880 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1880 | -- | 50 |
| Aroclor 1248 | 8050 | | ug/kg | 1880 | -- | 50 |
| Aroclor 1254 | 5100 | | ug/kg | 1880 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1880 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1880 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1880 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108232

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108232-02 | D | Date Collected: | 06/09/11 09:25 |
| Client ID: | SB-157 (1-2) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 02:04 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1900 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1900 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1900 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1900 | -- | 50 |
| Aroclor 1248 | 5140 | | ug/kg | 1900 | -- | 50 |
| Aroclor 1254 | 3550 | | ug/kg | 1900 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1900 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1900 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1900 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108232

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108232-03 | D | Date Collected: | 06/09/11 09:30 |
| Client ID: | SB-157 (2-3) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 02:16 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1890 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1890 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1890 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1890 | -- | 50 |
| Aroclor 1248 | 4260 | | ug/kg | 1890 | -- | 50 |
| Aroclor 1254 | 2640 | | ug/kg | 1890 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1890 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1890 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1890 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108232
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108232-04 | Date Collected: | 06/09/11 09:35 |
| Client ID: | SB-157 (3-4) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/15/11 19:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 98 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108232
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108232-11 | Date Collected: | 06/09/11 10:35 |
| Client ID: | SB-161 (3-4) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/15/11 19:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 98 | | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108232

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108232-15 | D | Date Collected: | 06/09/11 11:05 |
| Client ID: | SB-165 (1-2) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 02:41 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 182 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 182 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 182 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 182 | -- | 5 |
| Aroclor 1248 | 1250 | | ug/kg | 182 | -- | 5 |
| Aroclor 1254 | 1210 | | ug/kg | 182 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 182 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 182 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 182 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 99 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1108232
**Project Number:** C569-000
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108232-16 | Date Collected: | 06/09/11 11:10 |
| Client ID: | SB-165 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/15/11 19:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1254 | 130 | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1108232
**Project Number:** C569-000
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108232-16 | Date Collected: | 06/09/11 11:10 |
| Client ID: | SB-165 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/15/11 19:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1242 | 101 | | ug/kg | 37.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |

**Project Name:** MCALLISTER-PVD

**Project Number:** C569-000

**Lab Number:** L1108232

**Report Date:** 06/21/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/15/11 21:55
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 06/13/11 16:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/15/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/15/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-04,11,15-16 Batch: WG472789-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 102 | | 30-150 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108232
**Report Date:** 06/21/11

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-04,11,15-16 QC Batch ID: WG472789-4 WG472789-5 QC Sample: L1108233-06 Client ID: MS Sample | | | | | | | | | | | | |
| Aroclor 1016 | ND | 239 | 573 | **240** | Q | 480 | **198** | Q | 40-140 | 18 | | 50 |
| Aroclor 1260 | ND | 239 | 292 | 122 | | 297 | 123 | | 40-140 | 2 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 87 | | 30-150 |
| Decachlorobiphenyl | 81 | | 89 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 83 | | 30-150 |
| Decachlorobiphenyl | 94 | | 102 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER-PVD

**Project Number:** C569-000

**Lab Number:** L1108232

**Report Date:** 06/21/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-04,11,15-16 Batch: WG472789-2 WG472789-3 | | | | | | | | |
| Aroclor 1016 | 94 | | 83 | | 40-140 | 12 | | 50 |
| Aroclor 1260 | 85 | | 79 | | 40-140 | 7 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 77 | | 30-150 |
| Decachlorobiphenyl | 84 | | 83 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 103 | | 66 | | 30-150 |
| Decachlorobiphenyl | 127 | | 81 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108232
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108232-01
Client ID: SB-157 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 09:20
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108232
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108232-02
Client ID: SB-157 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 09:25
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108232
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108232-03
Client ID: SB-157 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 09:30
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108232
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108232-04
Client ID: SB-157 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 09:35
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108232
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108232-11
Client ID: SB-161 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 10:35
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 06/13/11 12:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108232
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108232-15
Client ID: SB-165 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 11:05
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108232
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108232-16
Client ID: SB-165 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 11:10
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108232
**Report Date:** 06/21/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-04,11 QC Batch ID: WG472778-1 QC Sample: L1108231-01 Client ID: DUP Sample | | | | | | |
| Solids, Total | 89 | 90 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 15-16 QC Batch ID: WG472792-1 QC Sample: L1108232-15 Client ID: SB-165 (1-2) | | | | | | |
| Solids, Total | 88 | 88 | % | 0 | | 20 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108232
**Report Date:** 06/21/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1108232-01A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108232-02A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108232-03A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108232-04A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108232-05A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108232-06A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108232-07A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108232-08A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108232-09A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108232-10A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108232-11A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108232-12A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108232-13A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108232-14A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108232-15A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108232-16A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108232-17A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108232-18A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108232-19A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108232-20A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1108232 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1108232 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1108232 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised June 7, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil (*Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2)

*Non-Potable Water* (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,**

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 3 OF 11

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108232

**Client Information**

Client:
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 6/16/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB | SAMPLE HANDLING | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|
| 08232-1 | SB-157 (0-1) | 6-9-11 | 920 | | | X | | | MS 6/13/11 Sox Extraction |
| 2 | SB-157 (1-2) | | 925 | | | X | | | |
| 3 | SB-157 (2-3) | | 930 | | | X | | | |
| 4 | SB-157 (3-4) | | 935 | | | X | | | |
| 5 | SB-157 (4-5) | | 940 | | | | | | HOLD |
| 6 | SB-157 (5-6) | | 945 | | | | | | HOLD |
| 7 | SB-157 (6-7) | | 950 | | | | | | HOLD |
| 8 | SB-157 (7-8) | | 955 | | | | | | HOLD |
| 9 | SB-157 (8-9) | | 1000 | | | | | | HOLD |
| 10 | SB-157 (9-10) | | 1005 | | | | | | HOLD |

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| | Container Type | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Preservative | | | | | | | | | | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 6/9/11 1540 | | 6/9/11 1540 |
| | 6/9/11 1730 | | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 4 OF 11

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108232

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client:

Address:

Phone:

Fax:

Email:

❑ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

❑ Standard ❑ RUSH (only confirmed if pre-approved!)

Date Due: 6/10/11 Time:

**Report Information - Data Deliverables**

❑ FAX ❑ EMAIL
❑ ADEx ❑ Add'l Deliverables

**Billing Information**

❑ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

❑ Yes ❑ No Are MCP Analytical Methods Required?
❑ Yes ❑ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
❑ Yes ❑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**

*Filtration*
❑ Done
❑ Not needed
❑ Lab to do
*Preservation*
❑ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS PCB's w/50x | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 08232-11 | SB-161 (3-4) | 6-9-11 | 1035 | S | JDA | X | ~~HOLD~~ | |
| 12 | SB-161 (4-5) | ↓ | 1040 | ↓ | ↓ | X | HOLD | |
| 13 | SB-161 (7-8) | ↓ | 1055 | ↓ | ↓ | X | HOLD | |
| 14 | SB-165 (0-1) | ↓ | 1100 | ↓ | ↓ | X | HOLD | |
| 15 | SB-165 (1-2) | ↓ | 1105 | ↓ | ↓ | X | | |
| 16 | SB-165 (2-3) | ↓ | 1110 | ↓ | ↓ | X | | |
| 17 | SB-165 (3-4) | ↓ | 1115 | ↓ | ↓ | X | HOLD | |
| 18 | SB-167 (0-1) | ↓ | 1120 | ↓ | ↓ | X | HOLD | |
| 19 | SB-167 (1-2) | ↓ | 1125 | ↓ | ↓ | X | HOLD | |
| 20 | SB-167 (2-3) | ↓ | 1130 | ↓ | ↓ | X | HOLD | |

**PLEASE ANSWER QUESTIONS ABOVE!**

Container Type

Preservative

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 6/9/11 1500 6/9/11 1750 | [signature] | 6/9/11 1500 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1108233 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER-PVD |
| Project Number: | C569-000 |
| Report Date: | 06/21/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108233
**Report Date:** 06/21/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1108233-01 | SB-157 (10-11) | PROVIDENCE, RI | 06/09/11 10:10 |
| L1108233-02 | SB-157 (11-12) | PROVIDENCE, RI | 06/09/11 10:15 |
| L1108233-03 | SB-5157 (3-4) | PROVIDENCE, RI | 06/09/11 09:36 |
| L1108233-04 | SB-161 (0-1) | PROVIDENCE, RI | 06/09/11 10:20 |
| L1108233-05 | SB-161 (1-2) | PROVIDENCE, RI | 06/09/11 10:25 |
| L1108233-06 | SB-161 (2-3) | PROVIDENCE, RI | 06/09/11 10:30 |
| L1108233-07 | SB-161 (5-6) | PROVIDENCE, RI | 06/09/11 10:45 |
| L1108233-08 | SB-161 (6-7) | PROVIDENCE, RI | 06/09/11 10:50 |
| L1108233-09 | SB-167 (3-4) | PROVIDENCE, RI | 06/09/11 11:35 |
| L1108233-10 | SB-154 (5-6) | PROVIDENCE, RI | 06/09/11 11:40 |
| L1108233-11 | SB-154 (6-7) | PROVIDENCE, RI | 06/09/11 11:45 |
| L1108233-12 | SB-154 (7-8) | PROVIDENCE, RI | 06/09/11 11:50 |
| L1108233-13 | SB-154 (8-9) | PROVIDENCE, RI | 06/09/11 11:55 |
| L1108233-14 | SB-154 (9-10) | PROVIDENCE, RI | 06/09/11 12:00 |
| L1108233-15 | SB-154 (10-11) | PROVIDENCE, RI | 06/09/11 12:05 |
| L1108233-16 | SB-154 (11-12) | PROVIDENCE, RI | 06/09/11 12:10 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108233
**Project Number:** C569-000 **Report Date:** 06/21/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

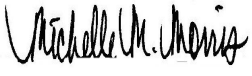
L1108233-04, -05, -06, -10, -11 and -12 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L1108233-04, -05, -10, -11 and -12 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

The WG472789-4/-5 MS/MSD recoveries for Aroclor 1016 (240%/198%), performed on L1108233-06, are above the method acceptance criteria due to interference with Aroclor 1248 present in the sample.

The WG472789-6/-7 MS/MSD, performed on L1108233-10, was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 06/21/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108233
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108233-03 | Date Collected: | 06/09/11 09:36 |
| Client ID: | SB-5157 (3-4) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/15/11 19:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108233

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108233-04 | D | Date Collected: | 06/09/11 10:20 |
| Client ID: | SB-161 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 02:29 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 738 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 738 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 738 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 738 | -- | 20 |
| Aroclor 1248 | 6270 | | ug/kg | 738 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 738 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 738 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 738 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108233

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108233-04 | D | Date Collected: | 06/09/11 10:20 |
| Client ID: | SB-161 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 02:29 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 3350 | | ug/kg | 738 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108233

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108233-05 | D | Date Collected: | 06/09/11 10:25 |
| Client ID: | SB-161 (1-2) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 01:39 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1800 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1800 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1800 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1800 | -- | 50 |
| Aroclor 1248 | 3690 | | ug/kg | 1800 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1800 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1800 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1800 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108233

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108233-05 | D | Date Collected: | 06/09/11 10:25 |
| Client ID: | SB-161 (1-2) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 01:39 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 2890 | | ug/kg | 1800 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108233

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108233-06 | D | Date Collected: | 06/09/11 10:30 |
| Client ID: | SB-161 (2-3) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 03:05 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1248 | 1400 | | ug/kg | 188 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 188 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108233

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108233-06 | D | Date Collected: | 06/09/11 10:30 |
| Client ID: | SB-161 (2-3) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 03:05 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 938 | | ug/kg | 188 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108233

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108233-10 | D | Date Collected: | 06/09/11 11:40 |
| Client ID: | SB-154 (5-6) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 01:02 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3580 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3580 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3580 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3580 | -- | 100 |
| Aroclor 1248 | 16700 | | ug/kg | 3580 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3580 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3580 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3580 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108233

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108233-10 | D | Date Collected: | 06/09/11 11:40 |
| Client ID: | SB-154 (5-6) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 01:02 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 7070 | | ug/kg | 3580 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108233

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108233-11 | D | Date Collected: | 06/09/11 11:45 |
| Client ID: | SB-154 (6-7) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 01:15 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3600 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3600 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3600 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3600 | -- | 100 |
| Aroclor 1248 | 19200 | | ug/kg | 3600 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3600 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3600 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3600 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108233

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108233-11 | D | Date Collected: | 06/09/11 11:45 |
| Client ID: | SB-154 (6-7) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 01:15 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 7220 | | ug/kg | 3600 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108233

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108233-12 | D | Date Collected: | 06/09/11 11:50 |
| Client ID: | SB-154 (7-8) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 01:27 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 78% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 4160 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 4160 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 4160 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 4160 | -- | 100 |
| Aroclor 1248 | 33900 | | ug/kg | 4160 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 4160 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 4160 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 4160 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1108233
**Project Number:** C569-000
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108233-12 | D | Date Collected: | 06/09/11 11:50 |
| Client ID: | SB-154 (7-8) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 01:27 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 78% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 11800 | | ug/kg | 4160 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108233
**Report Date:** 06/21/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/15/11 21:55
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 06/13/11 16:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/15/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/15/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 03-06,10-12 Batch: WG472789-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 102 | | 30-150 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108233
**Report Date:** 06/21/11

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 03-06,10-12 QC Batch ID: WG472789-4 WG472789-5 QC Sample: L1108233-06 Client ID: SB-161 (2-3) | | | | | | | | | | | | |
| Aroclor 1016 | ND | 239 | 573 | **240** | Q | 480 | **198** | Q | 40-140 | 18 | | 50 |
| Aroclor 1260 | ND | 239 | 292 | 122 | | 297 | 123 | | 40-140 | 2 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 87 | | 30-150 |
| Decachlorobiphenyl | 81 | | 89 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 83 | | 30-150 |
| Decachlorobiphenyl | 94 | | 102 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER-PVD

**Project Number:** C569-000

**Lab Number:** L1108233

**Report Date:** 06/21/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 03-06,10-12 Batch: WG472789-2 WG472789-3 | | | | | | | | |
| Aroclor 1016 | 94 | | 83 | | 40-140 | 12 | | 50 |
| Aroclor 1260 | 85 | | 79 | | 40-140 | 7 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 77 | | 30-150 |
| Decachlorobiphenyl | 84 | | 83 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 103 | | 66 | | 30-150 |
| Decachlorobiphenyl | 127 | | 81 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108233
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108233-03
Client ID: SB-5157 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 09:36
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108233
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108233-04
Client ID: SB-161 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 10:20
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108233
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108233-05
Client ID: SB-161 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 10:25
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108233
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108233-06
Client ID: SB-161 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 10:30
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108233
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108233-10
Client ID: SB-154 (5-6)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 11:40
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108233
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108233-11
Client ID: SB-154 (6-7)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 11:45
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108233
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108233-12
Client ID: SB-154 (7-8)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 11:50
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 78 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108233
**Report Date:** 06/21/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 03-06,10-12 QC Batch ID: WG472792-1 QC Sample: L1108232-15 Client ID: DUP Sample | | | | | | |
| Solids, Total | 88 | 88 | % | 0 | | 20 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108233
**Report Date:** 06/21/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1108233-01A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108233-02A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108233-03A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108233-04A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108233-05A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108233-06A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108233-06B | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108233-06C | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108233-07A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108233-08A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108233-09A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108233-10A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108233-10B | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108233-10C | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108233-11A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108233-12A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108233-13A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108233-14A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108233-15A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108233-16A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1108233 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1108233 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1108233 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised June 7, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil (*Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2)

*Non-Potable Water* (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,**

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 5 OF 11

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108233

**Client Information**

Client:

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/10/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PC13's w/SOX; Matrix Spike; Matrix Sp. Dupl.

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PC13's w/SOX | Matrix Spike | Matrix Sp. Dupl. | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|
| 08233.1 | SB-157 (10-11) | 6-9-11 | 1010 | S | JDA | X | | | HOLD |
| 2 | SB-157 (11-12) | | 1015 | | | X | | | HOLD |
| 3 | SB-5157 (3-4) | | 936 | | | X | | | |
| 4 | SB-161 (0-1) | | 1020 | | | X | | | |
| 5 | SB-161 (1-2) | | 1025 | | | X | | | |
| 6 | SB-161 (2-3) | | 1030 | | | X | | | |
| 6 | SB-161 (2-3) MS | | 1031 | | | | X | | |
| 6 | SB-161 (2-3) MSD | | 1033 | | | | | X | |
| 7 | SB-161 (5-6) | | 1045 | | | X | | | HOLD |
| 8 | SB-161 (6-7) | | 1050 | | | X | | | HOLD |

Container Type

Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 6/9/11 1500 | | 6/9/11 1530 |
| | 6/9/11 1750 | | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 6 OF 11

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108233

**Client Information**

Client: ESS Group, Inc.
Address: 401 Wampanoag Trl. Suite 400
Phone: 401 330 1218
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: Mc Allister - PVD
Project Location:
Project #: C569-000
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 6/10/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RIDEM Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB's w/ SVOC | Matrix Spike | Matrix Spike Dup | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 9 | SB-167 (3-4) | 6-9-11 | 1135 | S | SDA | X | | | | HOLD |
| 10 | SB-154 (5-6) | | 1140 | | | X | | | | |
| 11 | SB-154 (6-7) | | 1145 | | | X | | | | |
| 12 | SB-154 (7-8) | | 1150 | | | X | | | | |
| 13 | SB-154 (8-9) | | 1155 | | | X | | | | HOLD |
| 14 | SB-154 (9-10) | | 1200 | | | X | | | | HOLD |
| 15 | SB-154 (10-11) | | 1205 | | | X | | | | HOLD |
| 16 | SB-154 (11-12) | | 1210 | | | X | | | | HOLD |
| 10 | SB-154 (5-6) MS | | 1141 | | | | X | | | |
| 10 | SB-154 (5-6) MSD | | 1142 | | | | | X | | |

Container Type
Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 6/9/11 1550 | [signature] | 6/9/11 1550 |
| [signature] | 6/9/11 1752 | [signature] | 6/9/11 1752 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1108234 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER-PVD |
| Project Number: | C569-000 |
| Report Date: | 06/21/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1108234-01 | SB-5154 (7-8) | PROVIDENCE, RI | 06/09/11 11:51 |
| L1108234-02 | SB-156 (0-1) | PROVIDENCE, RI | 06/09/11 12:15 |
| L1108234-03 | SB-156 (1-2) | PROVIDENCE, RI | 06/09/11 12:20 |
| L1108234-04 | SB-156 (2-3) | PROVIDENCE, RI | 06/09/11 12:25 |
| L1108234-05 | SB-156 (3-4) | PROVIDENCE, RI | 06/09/11 12:30 |
| L1108234-06 | SB-156 (4-5) | PROVIDENCE, RI | 06/09/11 12:35 |
| L1108234-07 | SB-156 (5-6) | PROVIDENCE, RI | 06/09/11 12:40 |
| L1108234-08 | SB-156 (6-7) | PROVIDENCE, RI | 06/09/11 12:45 |
| L1108234-09 | SB-156 (7-8) | PROVIDENCE, RI | 06/09/11 12:50 |
| L1108234-10 | SB-156 (8-9) | PROVIDENCE, RI | 06/09/11 12:55 |
| L1108234-11 | SB-156 (9-10) | PROVIDENCE, RI | 06/09/11 13:00 |
| L1108234-12 | SB-156 (10-11) | PROVIDENCE, RI | 06/09/11 13:05 |
| L1108234-13 | SB-156 (11-12) | PROVIDENCE, RI | 06/09/11 13:10 |
| L1108234-14 | SB-160 (0-1) | PROVIDENCE, RI | 06/09/11 13:15 |
| L1108234-15 | SB-160 (1-2) | PROVIDENCE, RI | 06/09/11 13:20 |
| L1108234-16 | SB-160 (2-3) | PROVIDENCE, RI | 06/09/11 13:25 |
| L1108234-17 | SB-160 (3-4) | PROVIDENCE, RI | 06/09/11 13:30 |
| L1108234-18 | SB-160 (4-5) | PROVIDENCE, RI | 06/09/11 13:35 |
| L1108234-19 | SB-160 (5-6) | PROVIDENCE, RI | 06/09/11 13:40 |
| L1108234-20 | SB-160 (6-7) | PROVIDENCE, RI | 06/09/11 13:45 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

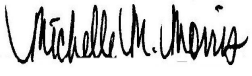
---

PCB

L1108234-01 through -07, -14 through -17 and -19 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L1108234-01 through -07, -15, -16, 17 and -19 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 06/21/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-01 | D | Date Collected: | 06/09/11 11:51 |
| Client ID: | SB-5154 (7-8) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/20/11 20:08 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 81% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 4080 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 4080 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 4080 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 4080 | -- | 100 |
| Aroclor 1248 | 23000 | | ug/kg | 4080 | -- | 100 |
| Aroclor 1254 | 8570 | | ug/kg | 4080 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 4080 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 4080 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 4080 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-02 | D | Date Collected: | 06/09/11 12:15 |
| Client ID: | SB-156 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/20/11 20:20 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 365 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 365 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 365 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 365 | -- | 10 |
| Aroclor 1248 | 1300 | | ug/kg | 365 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 365 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 365 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 365 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-02 | D | Date Collected: | 06/09/11 12:15 |
| Client ID: | SB-156 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/20/11 20:20 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 956 | | ug/kg | 365 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-03 | D | Date Collected: | 06/09/11 12:20 |
| Client ID: | SB-156 (1-2) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/20/11 20:32 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1850 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1850 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1850 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1850 | -- | 50 |
| Aroclor 1248 | 10600 | | ug/kg | 1850 | -- | 50 |
| Aroclor 1254 | 5300 | | ug/kg | 1850 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1850 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1850 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1850 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-04 | D | Date Collected: | 06/09/11 12:25 |
| Client ID: | SB-156 (2-3) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/20/11 20:44 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1800 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1800 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1800 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1800 | -- | 50 |
| Aroclor 1248 | 7150 | | ug/kg | 1800 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1800 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1800 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1800 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-04 | D | Date Collected: | 06/09/11 12:25 |
| Client ID: | SB-156 (2-3) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/20/11 20:44 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 3110 | | ug/kg | 1800 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-05 | D | Date Collected: | 06/09/11 12:30 |
| Client ID: | SB-156 (3-4) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/20/11 20:57 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 95% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 693 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 693 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 693 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 693 | -- | 20 |
| Aroclor 1248 | 4700 | | ug/kg | 693 | -- | 20 |
| Aroclor 1254 | 1810 | | ug/kg | 693 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 693 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 693 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 693 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-06 | D | Date Collected: | 06/09/11 12:35 |
| Client ID: | SB-156 (4-5) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/20/11 21:09 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 352 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 352 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 352 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 352 | -- | 10 |
| Aroclor 1248 | 3360 | | ug/kg | 352 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 352 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 352 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 352 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-06 | D | Date Collected: | 06/09/11 12:35 |
| Client ID: | SB-156 (4-5) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/20/11 21:09 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 1270 | | ug/kg | 352 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-07 | D | Date Collected: | 06/09/11 12:40 |
| Client ID: | SB-156 (5-6) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/20/11 21:21 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 356 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 356 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 356 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 356 | -- | 10 |
| Aroclor 1248 | 3480 | | ug/kg | 356 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 356 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 356 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 356 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-07 | D | Date Collected: | 06/09/11 12:40 |
| Client ID: | SB-156 (5-6) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/20/11 21:21 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 1460 | | ug/kg | 356 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108234
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108234-08 | Date Collected: | 06/09/11 12:45 |
| Client ID: | SB-156 (6-7) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/15/11 13:54 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 97 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 122 | | 30-150 |
| Decachlorobiphenyl | 118 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1108234
**Project Number:** C569-000
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108234-09 | Date Collected: | 06/09/11 12:50 |
| Client ID: | SB-156 (7-8) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/15/11 14:08 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1248 | 171 | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 95 | | 30-150 |
| Decachlorobiphenyl | 91 | | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-14 | D | Date Collected: | 06/09/11 13:15 |
| Client ID: | SB-160 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/20/11 21:34 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 181 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 181 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 181 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 181 | -- | 5 |
| Aroclor 1248 | 815 | | ug/kg | 181 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 181 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 181 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 181 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 98 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 107 | | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-14 | D | Date Collected: | 06/09/11 13:15 |
| Client ID: | SB-160 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/20/11 21:34 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 818 | | ug/kg | 181 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 98 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 107 | | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-15 | D | Date Collected: | 06/09/11 13:20 |
| Client ID: | SB-160 (1-2) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/20/11 21:46 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1860 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1860 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1860 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1860 | -- | 50 |
| Aroclor 1248 | 4620 | | ug/kg | 1860 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1860 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1860 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1860 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-15 | D | Date Collected: | 06/09/11 13:20 |
| Client ID: | SB-160 (1-2) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/20/11 21:46 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 3120 | | ug/kg | 1860 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-16 | D | Date Collected: | 06/09/11 13:25 |
| Client ID: | SB-160 (2-3) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/20/11 21:58 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1248 | 13200 | | ug/kg | 3780 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3780 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3780 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-16 | D | Date Collected: | 06/09/11 13:25 |
| Client ID: | SB-160 (2-3) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 20:58 |
| Analytical Date: | 06/20/11 21:58 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 6870 | | ug/kg | 3780 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-17 | D | Date Collected: | 06/09/11 13:30 |
| Client ID: | SB-160 (3-4) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 21:21 |
| Analytical Date: | 06/20/11 22:11 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 709 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 709 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 709 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 709 | -- | 20 |
| Aroclor 1248 | 3760 | | ug/kg | 709 | -- | 20 |
| Aroclor 1254 | 1680 | | ug/kg | 709 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 709 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 709 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 709 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108234
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108234-18 | Date Collected: | 06/09/11 13:35 |
| Client ID: | SB-160 (4-5) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 21:22 |
| Analytical Date: | 06/15/11 14:21 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 110 | | 30-150 |
| Decachlorobiphenyl | 112 | | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-19 | D | Date Collected: | 06/09/11 13:40 |
| Client ID: | SB-160 (5-6) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 21:22 |
| Analytical Date: | 06/20/11 22:23 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 374 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 374 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 374 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 374 | -- | 10 |
| Aroclor 1248 | 1850 | | ug/kg | 374 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 374 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 374 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 374 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108234

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108234-19 | D | Date Collected: | 06/09/11 13:40 |
| Client ID: | SB-160 (5-6) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 21:22 |
| Analytical Date: | 06/20/11 22:23 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 856 | | ug/kg | 374 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1108234
**Project Number:** C569-000
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108234-20 | Date Collected: | 06/09/11 13:45 |
| Client ID: | SB-160 (6-7) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 21:24 |
| Analytical Date: | 06/15/11 14:47 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 79% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 41.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 41.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 41.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 41.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 41.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 41.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 41.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 41.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 41.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 111 | | 30-150 |
| Decachlorobiphenyl | 107 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/15/11 13:01
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 06/10/11 20:58
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/15/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/15/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-09,14-20 Batch: WG472557-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.2 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 |
| Decachlorobiphenyl | 76 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 105 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER-PVD

**Project Number:** C569-000

**Lab Number:** L1108234

**Report Date:** 06/21/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-09,14-20 Batch: WG472557-2 WG472557-3 | | | | | | | | |
| Aroclor 1016 | 115 | | 108 | | 40-140 | 6 | | 50 |
| Aroclor 1260 | 108 | | 128 | | 40-140 | 17 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 102 | | 30-150 |
| Decachlorobiphenyl | 77 | | 88 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 108 | | 141 | | 30-150 |
| Decachlorobiphenyl | 102 | | 129 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108234-01
Client ID: SB-5154 (7-8)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 11:51
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 81 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108234-02
Client ID: SB-156 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 12:15
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108234-03
Client ID: SB-156 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 12:20
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108234-04
Client ID: SB-156 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 12:25
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108234-05
Client ID: SB-156 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 12:30
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108234-06
Client ID: SB-156 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 12:35
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108234-07
Client ID: SB-156 (5-6)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 12:40
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108234-08
Client ID: SB-156 (6-7)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 12:45
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108234-09
Client ID: SB-156 (7-8)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 12:50
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108234-14
Client ID: SB-160 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 13:15
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108234-15
Client ID: SB-160 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 13:20
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 06/13/11 13:10 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108234-16
Client ID: SB-160 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 13:25
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108234-17
Client ID: SB-160 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 13:30
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108234-18
Client ID: SB-160 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 13:35
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108234-19
Client ID: SB-160 (5-6)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 13:40
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108234-20
Client ID: SB-160 (6-7)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 13:45
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 79 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-09,14-15 QC Batch ID: WG472792-1 QC Sample: L1108232-15 Client ID: DUP Sample | | | | | | |
| Solids, Total | 88 | 88 | % | 0 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 16-20 QC Batch ID: WG472799-1 QC Sample: L1108234-16 Client ID: SB-160 (2-3) | | | | | | |
| Solids, Total | 88 | 85 | % | 3 | | 20 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108234
**Report Date:** 06/21/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1108234-01A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108234-02A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108234-03A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108234-04A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108234-05A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108234-06A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108234-07A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108234-08A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108234-09A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108234-10A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108234-11A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108234-12A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108234-13A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108234-14A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108234-15A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108234-16A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108234-17A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108234-18A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108234-19A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108234-20A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1108234 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

## GLOSSARY

### *Acronyms*

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### *Footnotes*

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1108234 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1108234 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised June 7, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil (*Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2)

*Non-Potable Water* (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,**

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 7 OF 11

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108234

**Client Information**

Client: ESS Group, Inc.
Address: 401 Wampanoag Suite 400
Phone: 401 330 1251
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:
Project Location:
Project #: C569-000
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 6/16/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs w/ SGX | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|
| 08234.1 | SB-5154 (7-8) | 6-9-11 | 1151 | | | X | | |
| 2 | SB-156 (0-1) | | 1215 | | | X | | |
| 3 | SB-156 (1-2) | | 1220 | | | X | | |
| 4 | SB-156 (2-3) | | 1225 | | | X | | |
| 5 | SB-156 (3-4) | | 1230 | | | X | | |
| 6 | SB-156 (4-5) | | 1235 | | | X | | |
| 7 | SB-156 (5-6) | | 1240 | | | X | | |
| 8 | SB-156 (6-7) | | 1245 | | | X | | |
| 9 | SB-156 (7-8) | | 1250 | | | X | | |
| 10 | SB-156 (8-9) | | 1255 | | | X | | HOLD |

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type
Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 6/9/11 1250 | [signature] | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 8 OF 11


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108234

## Client Information

Client: ESS Group, Inc

Address: 401 Wampanoag Trail #400
E. Providence, RI 02915

Phone: 401-330-1218

Fax: 401-434-8158

Email: Klundy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: Mcallister

Project Location: E. Providence

Project #: C569-000

Project Manager: Kevin Lundy

ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/10/11 Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

## Billing Information

☒ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program RIDEM Criteria

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☒ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/ SOX

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's w/ SOX | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 08234-11 | SB-156 (9-10) | 6-9-11 | 1300 | S | JDA | X | HOLD | |
| 12 | SB-156 (10-11) | | 1305 | | | X | HOLD | |
| 13 | SB-156 (11-12) | | 1310 | | | X | HOLD | |
| 14 | SB-160 (0-1) | | 1315 | | | X | | |
| 15 | SB-160 (1-2) | | 1320 | | | X | | |
| 16 | SB-160 (2-3) | | 1325 | | | X | | |
| 17 | SB-160 (3-4) | | 1330 | | | X | | |
| 18 | SB-160 (4-5) | | 1335 | | | X | | |
| 19 | SB-160 (5-6) | | 1340 | | | X | | |
| 20 | SB-160 (6-7) | | 1345 | | | X | | |

Container Type

Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 6/9/11 1520 | [signature] | 6/9/11 1520 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1108235 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER-PVD |
| Project Number: | C569-000 |
| Report Date: | 06/21/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108235
**Report Date:** 06/21/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1108235-01 | SB-160 (7-8) | PROVIDENCE, RI | 06/09/11 13:50 |
| L1108235-02 | SB-160 (8-9) | PROVIDENCE, RI | 06/09/11 13:55 |
| L1108235-03 | SB-160 (9-10) | PROVIDENCE, RI | 06/09/11 14:00 |
| L1108235-04 | SB-160 (10-11) | PROVIDENCE, RI | 06/09/11 14:02 |
| L1108235-05 | SB-160 (11-12) | PROVIDENCE, RI | 06/09/11 14:04 |
| L1108235-06 | SB-5160 (4-5) | PROVIDENCE, RI | 06/09/11 13:36 |
| L1108235-07 | SB-164 (0-1) | PROVIDENCE, RI | 06/09/11 14:10 |
| L1108235-08 | SB-164 (1-2) | PROVIDENCE, RI | 06/09/11 14:11 |
| L1108235-09 | SB-164 (2-3) | PROVIDENCE, RI | 06/09/11 14:12 |
| L1108235-10 | SB-164 (3-4) | PROVIDENCE, RI | 06/09/11 14:13 |
| L1108235-11 | SB-164 (4-5) | PROVIDENCE, RI | 06/09/11 14:14 |
| L1108235-12 | SB-164 (5-6) | PROVIDENCE, RI | 06/09/11 14:15 |
| L1108235-13 | SB-164 (6-7) | PROVIDENCE, RI | 06/09/11 14:16 |
| L1108235-14 | SB-164 (7-8) | PROVIDENCE, RI | 06/09/11 14:17 |
| L1108235-15 | SB-5164 (7-8) | PROVIDENCE, RI | 06/09/11 14:18 |
| L1108235-16 | SB-166 (0-1) | PROVIDENCE, RI | 06/09/11 14:20 |
| L1108235-17 | SB-166 (1-2) | PROVIDENCE, RI | 06/09/11 14:21 |
| L1108235-18 | SB-166 (2-3) | PROVIDENCE, RI | 06/09/11 14:22 |
| L1108235-19 | SB-166 (3-4) | PROVIDENCE, RI | 06/09/11 14:23 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108235
**Report Date:** 06/21/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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PCB

L1108235-07, -08 and -09 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L1108235-07 and -08 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/21/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108235
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108235-01 | Date Collected: | 06/09/11 13:50 |
| Client ID: | SB-160 (7-8) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/15/11 20:29 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 98 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1108235
**Project Number:** C569-000
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108235-01 | Date Collected: | 06/09/11 13:50 |
| Client ID: | SB-160 (7-8) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/15/11 20:29 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 99.9 | | ug/kg | 38.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 98 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108235
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108235-06 | Date Collected: | 06/09/11 13:36 |
| Client ID: | SB-5160 (4-5) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/15/11 20:53 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 104 | | 30-150 |
| Decachlorobiphenyl | 121 | | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108235

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108235-07 | D | Date Collected: | 06/09/11 14:10 |
| Client ID: | SB-164 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 00:38 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 86% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3850 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3850 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3850 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3850 | -- | 100 |
| Aroclor 1248 | 10400 | | ug/kg | 3850 | -- | 100 |
| Aroclor 1254 | 5490 | | ug/kg | 3850 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3850 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3850 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3850 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1108235
**Project Number:** C569-000
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108235-08 | D | Date Collected: | 06/09/11 14:11 |
| Client ID: | SB-164 (1-2) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 00:50 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3720 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3720 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3720 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3720 | -- | 100 |
| Aroclor 1248 | 13100 | | ug/kg | 3720 | -- | 100 |
| Aroclor 1254 | 7080 | | ug/kg | 3720 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3720 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3720 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3720 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108235

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108235-09 | D | Date Collected: | 06/09/11 14:12 |
| Client ID: | SB-164 (2-3) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 03:18 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1248 | 1790 | | ug/kg | 180 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 180 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 |
| Decachlorobiphenyl | 86 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1108235

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108235-09 | D | Date Collected: | 06/09/11 14:12 |
| Client ID: | SB-164 (2-3) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/18/11 03:18 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 863 | | ug/kg | 180 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 |
| Decachlorobiphenyl | 86 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1108235
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108235-10 | Date Collected: | 06/09/11 14:13 |
| Client ID: | SB-164 (3-4) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 16:30 |
| Analytical Date: | 06/15/11 21:18 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108235
**Report Date:** 06/21/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/15/11 21:55
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 06/13/11 16:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/15/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/15/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01,06-10 Batch: WG472789-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 102 | | 30-150 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108235
**Report Date:** 06/21/11

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01,06-10 QC Batch ID: WG472789-4 WG472789-5 QC Sample: L1108233-06 Client ID: MS Sample | | | | | | | | | | | | |
| Aroclor 1016 | ND | 239 | 573 | **240** | Q | 480 | **198** | Q | 40-140 | 18 | | 50 |
| Aroclor 1260 | ND | 239 | 292 | 122 | | 297 | 123 | | 40-140 | 2 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 87 | | 30-150 |
| Decachlorobiphenyl | 81 | | 89 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 83 | | 30-150 |
| Decachlorobiphenyl | 94 | | 102 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER-PVD

**Project Number:** C569-000

**Lab Number:** L1108235

**Report Date:** 06/21/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01,06-10 Batch: WG472789-2 WG472789-3 | | | | | | | | |
| Aroclor 1016 | 94 | | 83 | | 40-140 | 12 | | 50 |
| Aroclor 1260 | 85 | | 79 | | 40-140 | 7 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 77 | | 30-150 |
| Decachlorobiphenyl | 84 | | 83 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 103 | | 66 | | 30-150 |
| Decachlorobiphenyl | 127 | | 81 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108235
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108235-01
Client ID: SB-160 (7-8)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 13:50
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108235
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108235-06
Client ID: SB-5160 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 13:36
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108235
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108235-07
Client ID: SB-164 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 14:10
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108235
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108235-08
Client ID: SB-164 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 14:11
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108235
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108235-09
Client ID: SB-164 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 14:12
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108235
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108235-10
Client ID: SB-164 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 14:13
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108235
**Report Date:** 06/21/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01,06-10 QC Batch ID: WG472799-1 QC Sample: L1108234-16 Client ID: DUP Sample | | | | | | |
| Solids, Total | 88 | 85 | % | 3 | | 20 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1108235
**Report Date:** 06/21/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1108235-01A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108235-02A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108235-03A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108235-04A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108235-05A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108235-06A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108235-07A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108235-08A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108235-09A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108235-10A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108235-11A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108235-11B | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108235-11C | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108235-12A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108235-13A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108235-14A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108235-15A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108235-16A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108235-17A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108235-18A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108235-19A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108235-19B | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |
| L1108235-19C | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | HOLD(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1108235 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

## GLOSSARY

### *Acronyms*

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### *Footnotes*

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1108235 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1108235 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised June 7, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil (*Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2)

*Non-Potable Water* (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,**

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 9 OF 11

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108235

## Client Information

Client: ESS Group, Inc.
Address: 401 Wampanoag Trl Suite 400
Phone: 401 330 1251
Fax:
Email:

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name:
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

## Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/14/11 Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program RIDEM Criteria

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

## Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/ SOX; Matrix Spike; Matrix Spike Dup

**SAMPLE HANDLING**
*Filtration*
☐ Done ☐ Not needed ☐ Lab to do
*Preservation*
☐ Lab to do (Please specify below)

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 08235.1 | SB-160 (7-8) | 6-9-11 | 1350 | S | JDA | X | |
| 2 | SB-160 (8-9) | | 1355 | | | X | HOLD |
| 3 | SB-160 (9-10) | | 1400 | | | X | HOLD |
| 4 | SB-160 (10-11) | | 1402 | | | X | HOLD |
| 5 | SB-160 (11-12) | | 1404 | | | X | HOLD |
| 6 | SB-5160 (4-5) | | 1336 | | | X | |
| 7 | SB-164 (0-1) | | 1410 | | | X | |
| 8 | SB-164 (1-2) | | 1411 | | | X | |
| 9 | SB-164 (2-3) | | 1412 | | | X | |
| 10 | SB-164 (3-4) | | 1413 | V | V | X | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| | |
|---|---|
| Container Type | |
| Preservative | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 1540 6/9/11 | | 6/9/11 1500 |
| | 6/9/11 1550 | | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 10 OF 11

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108235

**Client Information**

Client:

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due: 6/16/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/soxt | Matrix Spike | Matrix Spike Dup.

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's w/soxt | Matrix Spike | Matrix Spike Dup. | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|
| 08235 11 | SB-164 (4-5) | 6-9-11 | 1414 | S | SDA | X | | | HOLD | |
| 11 | SB-164 (4-5) MS | | 1414 | | | | X | | HOLD | |
| 11 | SB-164 (4-5) MSD | | 1414 | | | | | X | HOLD | |
| 12 | SB-164 (5-6) | | 1415 | | | X | | | HOLD | |
| 13 | SB-164 (6-7) | | 1416 | | | X | | | HOLD | |
| 14 | SB-164 (7-8) | | 1417 | | | X | | | HOLD | |
| 15 | SB-5164 (7-8) | | 1418 | | | X | | | HOLD | |
| 16 | SB-166 (0-1) | | 1420 | | | X | | | HOLD | |
| 17 | SB-166 (1-2) | | 1421 | | | X | | | HOLD | |
| 18 | SB-166 (2-3) | | 1422 | | | X | | | HOLD | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| | Container Type | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Preservative | | | | | | | | | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 6/9/11 1750 | | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 11 OF 11


ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288


Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108235

## Client Information

Client:

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name:

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☐ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due: 6/16/11 Time:

## Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

## Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB's w/ SW X | Matrix Spike | Matrix Spike Dup | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 08235.19 | SB-166(3-4) | 6-9-11 | 1423 | S | JDA | X | | | | HOLD |
| 19 | SB-166(3-4)MS | | 1424 | | | | X | | | HOLD |
| 19 | SB-166(3-4)MSD | | 1425 | | | | | X | | HOLD |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| | Container Type | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Preservative | | | | | | | | | | | | | | | | | | | | | | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 6/9/11 1550 | | 6/9/11 1550 |
| | 6/9/11 1750 | | 6/9/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1108236 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C569-000 |
| Report Date: | 06/21/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1108236-01 | SB-139 (0-1) | E. PROVIDENCE | 06/08/11 12:30 |
| L1108236-02 | SB-139 (1-2) | E. PROVIDENCE | 06/08/11 12:35 |
| L1108236-03 | SB-139 (2-3) | E. PROVIDENCE | 06/08/11 12:40 |
| L1108236-04 | SB-139 (3-4) | E. PROVIDENCE | 06/08/11 12:45 |
| L1108236-05 | SB-5139 (1-2) | E. PROVIDENCE | 06/08/11 12:36 |
| L1108236-06 | SB-140 (0-1) | E. PROVIDENCE | 06/08/11 13:50 |
| L1108236-07 | SB-140 (1-2) | E. PROVIDENCE | 06/08/11 13:55 |
| L1108236-08 | SB-140 (2-3) | E. PROVIDENCE | 06/08/11 14:00 |
| L1108236-09 | SB-140 (3-4) | E. PROVIDENCE | 06/08/11 14:05 |
| L1108236-10 | SB-141 (0-1) | E. PROVIDENCE | 06/08/11 12:50 |
| L1108236-11 | SB-141 (1-2) | E. PROVIDENCE | 06/08/11 12:55 |
| L1108236-12 | SB-141 (2-3) | E. PROVIDENCE | 06/08/11 13:00 |
| L1108236-13 | SB-141 (3-4) | E. PROVIDENCE | 06/08/11 13:05 |
| L1108236-14 | SB-142 (0-1) | E. PROVIDENCE | 06/08/11 14:10 |
| L1108236-15 | SB-142 (1-2) | E. PROVIDENCE | 06/08/11 14:15 |
| L1108236-16 | SB-142 (2-3) | E. PROVIDENCE | 06/08/11 14:20 |
| L1108236-17 | SB-142 (3-4) | E. PROVIDENCE | 06/08/11 14:25 |
| L1108236-18 | SB-143 (0-1) | E. PROVIDENCE | 06/08/11 15:00 |
| L1108236-19 | SB-143 (1-2) | E. PROVIDENCE | 06/08/11 15:05 |
| L1108236-20 | SB-143 (2-3) | E. PROVIDENCE | 06/08/11 15:10 |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCBs

L1108236-01, -02, -05, -17 and -20 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

L1108236-06, -10, -15, -18 and -19 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the target compounds present in the samples.

L1108236-07 and -14 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L1108236-06, -14, -15, -18 and -19 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 06/21/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108236-01 | Date Collected: | 06/08/11 12:30 |
| Client ID: | SB-139 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 18:19 |
| Analytical Date: | 06/14/11 14:56 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1248 | 489 | | ug/kg | 173 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 173 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 99 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 95 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108236-01 | Date Collected: | 06/08/11 12:30 |
| Client ID: | SB-139 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 18:19 |
| Analytical Date: | 06/14/11 14:56 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 540 | | ug/kg | 173 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 99 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 95 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108236-02 | Date Collected: | 06/08/11 12:35 |
| Client ID: | SB-139 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 18:19 |
| Analytical Date: | 06/14/11 15:08 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 189 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 189 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 189 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 189 | -- | 5 |
| Aroclor 1248 | ND | | ug/kg | 189 | -- | 5 |
| Aroclor 1254 | ND | | ug/kg | 189 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 189 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 189 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 189 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 |
| Decachlorobiphenyl | 108 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 97 | | 30-150 |
| Decachlorobiphenyl | 109 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108236-03 | Date Collected: | 06/08/11 12:40 |
| Client ID: | SB-139 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 18:19 |
| Analytical Date: | 06/14/11 15:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 90 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108236-04 | Date Collected: | 06/08/11 12:45 |
| Client ID: | SB-139 (3-4) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 18:19 |
| Analytical Date: | 06/14/11 15:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1248 | 46.7 | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1254 | 62.7 | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 86 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108236-05 | Date Collected: | 06/08/11 12:36 |
| Client ID: | SB-5139 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 18:19 |
| Analytical Date: | 06/14/11 15:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1248 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1254 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 176 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 105 | | 30-150 |
| Decachlorobiphenyl | 111 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 107 | | 30-150 |
| Decachlorobiphenyl | 108 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1108236

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108236-06 | D | Date Collected: | 06/08/11 13:50 |
| Client ID: | SB-140 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 18:19 |
| Analytical Date: | 06/20/11 23:58 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 95% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1750 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1750 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1750 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1750 | -- | 50 |
| Aroclor 1248 | 6080 | | ug/kg | 1750 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1750 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1750 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1750 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1108236

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108236-06 | D | Date Collected: | 06/08/11 13:50 |
| Client ID: | SB-140 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 18:19 |
| Analytical Date: | 06/20/11 23:58 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 95% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 5570 | | ug/kg | 1750 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1108236

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108236-07 | D | Date Collected: | 06/08/11 13:55 |
| Client ID: | SB-140 (1-2) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 18:19 |
| Analytical Date: | 06/21/11 00:11 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 95% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1248 | 808 | | ug/kg | 173 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 173 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 |
| Decachlorobiphenyl | 141 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 |
| Decachlorobiphenyl | 115 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1108236

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108236-07 | D | Date Collected: | 06/08/11 13:55 |
| Client ID: | SB-140 (1-2) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 18:19 |
| Analytical Date: | 06/21/11 00:11 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 95% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 1180 | | ug/kg | 173 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 |
| Decachlorobiphenyl | 141 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 |
| Decachlorobiphenyl | 115 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108236-08 | Date Collected: | 06/08/11 14:00 |
| Client ID: | SB-140 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 18:19 |
| Analytical Date: | 06/14/11 16:21 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 98 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108236-09 | Date Collected: | 06/08/11 14:05 |
| Client ID: | SB-140 (3-4) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 18:19 |
| Analytical Date: | 06/14/11 16:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 115 | | 30-150 |
| Decachlorobiphenyl | 121 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108236-10 | D | Date Collected: | 06/08/11 12:50 |
| Client ID: | SB-141 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 18:19 |
| Analytical Date: | 06/14/11 16:46 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1248 | 968 | | ug/kg | 180 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 180 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1108236

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108236-10 | D | Date Collected: | 06/08/11 12:50 |
| Client ID: | SB-141 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 18:19 |
| Analytical Date: | 06/14/11 16:46 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 1100 | | ug/kg | 180 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108236-11 | Date Collected: | 06/08/11 12:55 |
| Client ID: | SB-141 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 18:19 |
| Analytical Date: | 06/14/11 16:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 |
| Decachlorobiphenyl | 104 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 |
| Decachlorobiphenyl | 102 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108236-11 | Date Collected: | 06/08/11 12:55 |
| Client ID: | SB-141 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 18:19 |
| Analytical Date: | 06/14/11 16:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 41.2 | | ug/kg | 37.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 |
| Decachlorobiphenyl | 104 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 |
| Decachlorobiphenyl | 102 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108236-12 | Date Collected: | 06/08/11 13:00 |
| Client ID: | SB-141 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 18:19 |
| Analytical Date: | 06/14/11 17:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 115 | | 30-150 |
| Decachlorobiphenyl | 125 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108236-13 | Date Collected: | 06/08/11 13:05 |
| Client ID: | SB-141 (3-4) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 19:34 |
| Analytical Date: | 06/14/11 17:23 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 80% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 41.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 41.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 41.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 41.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 41.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 41.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 41.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 41.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 41.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 109 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108236-14 | D | Date Collected: | 06/08/11 14:10 |
| Client ID: | SB-142 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 19:35 |
| Analytical Date: | 06/21/11 00:23 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 98% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 677 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 677 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 677 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 677 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 677 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 677 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 677 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108236-14 | D | Date Collected: | 06/08/11 14:10 |
| Client ID: | SB-142 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 19:35 |
| Analytical Date: | 06/21/11 00:23 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 98% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 2470 | | ug/kg | 677 | -- | 20 |
| Aroclor 1254 | 2600 | | ug/kg | 677 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1108236

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108236-15 | D | Date Collected: | 06/08/11 14:15 |
| Client ID: | SB-142 (1-2) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 19:36 |
| Analytical Date: | 06/21/11 00:35 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 96% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3460 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3460 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3460 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3460 | -- | 100 |
| Aroclor 1248 | 13600 | | ug/kg | 3460 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3460 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3460 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3460 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1108236

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108236-15 | D | Date Collected: | 06/08/11 14:15 |
| Client ID: | SB-142 (1-2) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 19:36 |
| Analytical Date: | 06/21/11 00:35 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 96% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 12700 | | ug/kg | 3460 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108236-16 | Date Collected: | 06/08/11 14:20 |
| Client ID: | SB-142 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 19:38 |
| Analytical Date: | 06/14/11 18:00 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1248 | 99.0 | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1254 | 91.2 | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 108 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108236-17 | Date Collected: | 06/08/11 14:25 |
| Client ID: | SB-142 (3-4) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 19:39 |
| Analytical Date: | 06/14/11 18:12 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 300 | -- | 8 |
| Aroclor 1221 | ND | | ug/kg | 300 | -- | 8 |
| Aroclor 1232 | ND | | ug/kg | 300 | -- | 8 |
| Aroclor 1242 | ND | | ug/kg | 300 | -- | 8 |
| Aroclor 1248 | ND | | ug/kg | 300 | -- | 8 |
| Aroclor 1254 | ND | | ug/kg | 300 | -- | 8 |
| Aroclor 1260 | ND | | ug/kg | 300 | -- | 8 |
| Aroclor 1262 | ND | | ug/kg | 300 | -- | 8 |
| Aroclor 1268 | ND | | ug/kg | 300 | -- | 8 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 |
| Decachlorobiphenyl | 98 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1108236

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108236-18 | D | Date Collected: | 06/08/11 15:00 |
| Client ID: | SB-143 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 19:41 |
| Analytical Date: | 06/21/11 00:47 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3580 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3580 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3580 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3580 | -- | 100 |
| Aroclor 1248 | 23300 | | ug/kg | 3580 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3580 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3580 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3580 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1108236

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108236-18 | D | Date Collected: | 06/08/11 15:00 |
| Client ID: | SB-143 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 19:41 |
| Analytical Date: | 06/21/11 00:47 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 16100 | | ug/kg | 3580 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1108236

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108236-19 | D | Date Collected: | 06/08/11 15:05 |
| Client ID: | SB-143 (1-2) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 19:42 |
| Analytical Date: | 06/21/11 01:00 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 88100 | -- | 2500 |
| Aroclor 1221 | ND | | ug/kg | 88100 | -- | 2500 |
| Aroclor 1232 | ND | | ug/kg | 88100 | -- | 2500 |
| Aroclor 1242 | ND | | ug/kg | 88100 | -- | 2500 |
| Aroclor 1248 | ND | | ug/kg | 88100 | -- | 2500 |
| Aroclor 1260 | ND | | ug/kg | 88100 | -- | 2500 |
| Aroclor 1262 | ND | | ug/kg | 88100 | -- | 2500 |
| Aroclor 1268 | ND | | ug/kg | 88100 | -- | 2500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1108236

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108236-19 | D | Date Collected: | 06/08/11 15:05 |
| Client ID: | SB-143 (1-2) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/10/11 19:42 |
| Analytical Date: | 06/21/11 01:00 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 660000 | | ug/kg | 88100 | -- | 2500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108236-20 | Date Collected: | 06/08/11 15:10 |
| Client ID: | SB-143 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/10/11 19:43 |
| Analytical Date: | 06/14/11 19:38 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/13/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/13/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1248 | 1350 | | ug/kg | 176 | -- | 5 |
| Aroclor 1254 | 1210 | | ug/kg | 176 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 176 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 |
| Decachlorobiphenyl | 64 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 |
| Decachlorobiphenyl | 68 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/14/11 18:24
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 06/10/11 18:19
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/13/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/13/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-20 Batch: WG472532-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.2 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 82 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 |
| Decachlorobiphenyl | 100 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-20 Batch: WG472532-2 WG472532-3 | | | | | | | | |
| Aroclor 1016 | 105 | | 114 | | 40-140 | 8 | | 50 |
| Aroclor 1260 | 96 | | 86 | | 40-140 | 11 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 61 | | 30-150 |
| Decachlorobiphenyl | 85 | | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 106 | | 93 | | 30-150 |
| Decachlorobiphenyl | 117 | | 100 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-01
Client ID: SB-139 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 12:30
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-02
Client ID: SB-139 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 12:35
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-03
Client ID: SB-139 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 12:40
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-04
Client ID: SB-139 (3-4)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 12:45
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-05
Client ID: SB-5139 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 12:36
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-06
Client ID: SB-140 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 13:50
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-07
Client ID: SB-140 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 13:55
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-08
Client ID: SB-140 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 14:00
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-09
Client ID: SB-140 (3-4)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 14:05
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-10
Client ID: SB-141 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 12:50
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-11
Client ID: SB-141 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 12:55
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-12
Client ID: SB-141 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 13:00
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-13
Client ID: SB-141 (3-4)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 13:05
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 80 | | % | 0.10 | NA | 1 | - | 06/13/11 13:30 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-14
Client ID: SB-142 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 14:10
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-15
Client ID: SB-142 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 14:15
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-16
Client ID: SB-142 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 14:20
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-17
Client ID: SB-142 (3-4)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 14:25
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-18
Client ID: SB-143 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 15:00
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-19
Client ID: SB-143 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 15:05
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108236-20
Client ID: SB-143 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 15:10
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-05,10-13 QC Batch ID: WG472799-1 QC Sample: L1108234-16 Client ID: DUP Sample | | | | | | |
| Solids, Total | 88 | 85 | % | 3 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 06-09,14-20 QC Batch ID: WG472809-1 QC Sample: L1108236-06 Client ID: SB-140 (0-1) | | | | | | |
| Solids, Total | 95 | 94 | % | 1 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108236
**Report Date:** 06/21/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| B | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1108236-01A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-02A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-03A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-04A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-05A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-06A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-07A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-08A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-09A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-10A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-11A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-12A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-13A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-14A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-15A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-16A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-17A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-18A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-19A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108236-20A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1108236 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

## GLOSSARY

### *Acronyms*

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### *Footnotes*

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1108236 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1108236 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised June 7, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil (*Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2)

*Non-Potable Water* (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,**

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 1 OF ____

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108236

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group, Inc.
Address: 401 Wampanoag trail #400
E. Providence, RI 02915
Phone: 401-330-1218
Fax: 401-434-8158
Email: KPurdy@ESSGroup

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: Mcallister
Project Location: E. Providence
Project #: C569-000
Project Manager: Kevin Purdy
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/10/11 Time:

**Report Information - Data Deliverables**

☒ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☒ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State/Fed Program RIDEM Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☒ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**
*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB's w/SOX | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 08236.1 | SB-139 (0-1) | 6-8-11 | 1230 | S | JDA | X | | |
| 2 | SB-139 (1-2) | | 1235 | | | X | | |
| 3 | SB-139 (2-3) | | 1240 | | | X | | |
| 4 | SB-139 (3-4) | | 1245 | | | X | | |
| 5 | SB-5139 (1-2) | | 1236 | | | X | | |
| 6 | SB-140 (0-1) | | 1350 | | | X | | |
| 7 | SB-140 (1-2) | | 1355 | | | X | | |
| 8 | SB-140 (2-3) | | 1400 | | | X | | |
| 9 | SB-140 (3-4) | | 1405 | | | X | | |
| 10 | SB-141 (0-1) | | 1250 | | | X | | |

Container Type
Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| K. Purdy for JA 9:13 | | [signature] | 6/9/11 1520 |
| [signature] | 6/8/11 - 1250 | K [signature] | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 2 OF _____

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108236

**Client Information**

Client: ESS Group, Inc.
Address: 401 Wampanoag trail Suite 400, E-Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: Kpurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister
Project Location: East Providence
Project #: C569-000
Project Manager: Kevin Purdy
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 6/16/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☒ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RIDEM Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/ SOX; Matrix Spike; Matrix Spike Duplicate

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's w/ SOX | Matrix Spike | Matrix Spike Duplicate | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|
| 08236.11 | SB-141 (1-2) | 6/8/11 | 1255 | S | JDA | X | | | | |
| 12 | SB-141 (2-3) | | 1300 | | | X | | | | |
| 13 | SB-141 (3-4) | | 1305 | | | X | | | | |
| 14 | SB-142 (0-1) | | 1410 | | | X | | | | |
| 15 | SB-142 (1-2) | | 1415 | | | X | | | | |
| 16 | SB-142 (2-3) | | 1420 | | | X | | | | |
| 17 | SB-142 (3-4) | | 1425 | | | X | | | | |
| 18 | SB-143 (0-1) | | 1500 | | | X | | | | |
| 19 | SB-143 (1-2) | | 1505 | | | X | | | | |
| 20 | SB-143 (2-3) | | 1510 | | | X | | | | |

Container Type
Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01 (rev. 18-Jan-2010)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| K Almeida for JA | | | 6/9/11 1500 |
| | 6/9/11 1752 | | 6/9/11 1752 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1108237 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C569-000 |
| Report Date: | 06/22/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1108237-01 | SB-137 (0-1) | E. PROVIDENCE | 06/08/11 13:30 |
| L1108237-02 | SB-137 (1-2) | E. PROVIDENCE | 06/08/11 13:35 |
| L1108237-03 | SB-137 (2-3) | E. PROVIDENCE | 06/08/11 13:40 |
| L1108237-04 | SB-137 (3-4) | E. PROVIDENCE | 06/08/11 13:45 |
| L1108237-05 | SB-138 (0-1) | E. PROVIDENCE | 06/08/11 13:10 |
| L1108237-06 | SB-138 (1-2) | E. PROVIDENCE | 06/08/11 13:15 |
| L1108237-07 | SB-138 (2-3) | E. PROVIDENCE | 06/08/11 13:20 |
| L1108237-08 | SB-138 (3-4) | E. PROVIDENCE | 06/08/11 13:25 |
| L1108237-09 | SB-146 (1-2) | E. PROVIDENCE | 06/08/11 14:55 |
| L1108237-10 | SB-146 (2-3) | E. PROVIDENCE | 06/08/11 15:00 |
| L1108237-11 | SB-146 (3-4) | E. PROVIDENCE | 06/08/11 15:05 |
| L1108237-12 | SB-147 (0-1) | E. PROVIDENCE | 06/08/11 15:40 |
| L1108237-13 | SB-147 (1-2) | E. PROVIDENCE | 06/08/11 15:45 |
| L1108237-14 | SB-147 (2-3) | E. PROVIDENCE | 06/08/11 15:50 |
| L1108237-15 | SB-147 (3-4) | E. PROVIDENCE | 06/08/11 15:55 |
| L1108237-16 | SB-5147 (0-1) | E. PROVIDENCE | 06/08/11 15:41 |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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PCBs

The surrogate recovery for L1108237-04 is outside the individual acceptance criteria for Decachlorobiphenyl (162%), but within the overall method allowances. The results of the original analysis are reported.

L1108237-07 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The surrogate recoveries for L1108237-07 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L1108237-10 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

The WG472844-4/-5 MS/MSD, associated with L1108237-07, was not analyzed because the dilution required by the elevated concentrations of target compounds present in the sample to be utilized for the MS/MSD would

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

**Case Narrative (continued)**

have caused the spike compounds to be diluted below the range of calibration.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 06/22/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108237-01 | Date Collected: | 06/08/11 13:30 |
| Client ID: | SB-137 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 16:46 |
| Analytical Date: | 06/16/11 15:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 79 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108237-02 | Date Collected: | 06/08/11 13:35 |
| Client ID: | SB-137 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 16:46 |
| Analytical Date: | 06/16/11 15:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 64 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108237-03 | Date Collected: | 06/08/11 13:40 |
| Client ID: | SB-137 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 16:46 |
| Analytical Date: | 06/16/11 14:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1248 | 65.2 | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1254 | 36.3 | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108237
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108237-04 | Date Collected: | 06/08/11 13:45 |
| Client ID: | SB-137 (3-4) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 16:46 |
| Analytical Date: | 06/16/11 15:01 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1248 | 260 | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1254 | 172 | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 |
| Decachlorobiphenyl | 89 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 |
| Decachlorobiphenyl | **162** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108237
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108237-05 | Date Collected: | 06/08/11 13:10 |
| Client ID: | SB-138 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 16:46 |
| Analytical Date: | 06/16/11 13:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1248 | 104 | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 94 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108237-05 | Date Collected: | 06/08/11 13:10 |
| Client ID: | SB-138 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 16:46 |
| Analytical Date: | 06/16/11 13:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 86.7 | | ug/kg | 39.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 94 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108237-06 | Date Collected: | 06/08/11 13:15 |
| Client ID: | SB-138 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 16:46 |
| Analytical Date: | 06/16/11 13:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 42 | | 30-150 |
| Decachlorobiphenyl | 48 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108237-07 | D | Date Collected: | 06/08/11 13:20 |
| Client ID: | SB-138 (2-3) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:46 |
| Analytical Date: | 06/21/11 01:37 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1900 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1900 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1900 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1900 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1900 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1900 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1900 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108237-07 | D | Date Collected: | 06/08/11 13:20 |
| Client ID: | SB-138 (2-3) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 16:46 |
| Analytical Date: | 06/21/11 01:37 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 14200 | | ug/kg | 1900 | -- | 50 |
| Aroclor 1254 | 9870 | | ug/kg | 1900 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108237-08 | Date Collected: | 06/08/11 13:25 |
| Client ID: | SB-138 (3-4) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 16:46 |
| Analytical Date: | 06/20/11 23:12 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1248 | 72.5 | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 111 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108237-08 | Date Collected: | 06/08/11 13:25 |
| Client ID: | SB-138 (3-4) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 16:46 |
| Analytical Date: | 06/20/11 23:12 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 65.1 | | ug/kg | 36.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 111 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108237-09 | Date Collected: | 06/08/11 14:55 |
| Client ID: | SB-146 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 17:05 |
| Analytical Date: | 06/17/11 00:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.8 | -- | 1 |
| Aroclor 1248 | 507 | | ug/kg | 35.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 116 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 145 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108237-09 | Date Collected: | 06/08/11 14:55 |
| Client ID: | SB-146 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 17:05 |
| Analytical Date: | 06/17/11 00:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 584 | | ug/kg | 35.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 116 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 145 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108237-10 | Date Collected: | 06/08/11 15:00 |
| Client ID: | SB-146 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/21/11 01:40 |
| Analytical Date: | 06/21/11 20:03 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/21/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/21/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 105 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 105 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 105 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 105 | -- | 5 |
| Aroclor 1248 | 1450 | | ug/kg | 105 | -- | 5 |
| Aroclor 1254 | 1160 | | ug/kg | 105 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 105 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 105 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 105 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 |
| Decachlorobiphenyl | 97 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 100 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108237-12 | Date Collected: | 06/08/11 15:40 |
| Client ID: | SB-147 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 17:09 |
| Analytical Date: | 06/17/11 00:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1248 | 48.2 | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 |
| Decachlorobiphenyl | 89 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108237-12 | Date Collected: | 06/08/11 15:40 |
| Client ID: | SB-147 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 17:09 |
| Analytical Date: | 06/17/11 00:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 66.2 | | ug/kg | 34.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 |
| Decachlorobiphenyl | 89 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108237-13 | Date Collected: | 06/08/11 15:45 |
| Client ID: | SB-147 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 17:11 |
| Analytical Date: | 06/16/11 14:48 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 63 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108237-14 | Date Collected: | 06/08/11 15:50 |
| Client ID: | SB-147 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 17:13 |
| Analytical Date: | 06/16/11 16:47 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108237-16 | Date Collected: | 06/08/11 15:41 |
| Client ID: | SB-5147 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 17:13 |
| Analytical Date: | 06/17/11 00:56 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/16/11 19:55
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 06/13/11 16:46
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/16/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/16/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-09,12-14,16 Batch: WG472844-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.9 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 106 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/21/11 20:16
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 06/21/11 01:40
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/21/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/21/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 10 Batch: WG474337-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 97 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 |
| Decachlorobiphenyl | 91 | | 30-150 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-09,12-14,16 QC Batch ID: WG472844-6 WG472844-7 QC Sample: L1108237-12 Client ID: SB-147 (0-1) | | | | | | | | | | | | |
| Aroclor 1016 | ND | 213 | 252 | 119 | | 232 | 111 | | 40-140 | 8 | | 50 |
| Aroclor 1260 | ND | 213 | 234 | 110 | | 232 | 111 | | 40-140 | 1 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 85 | | 30-150 |
| Decachlorobiphenyl | 83 | | 82 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 114 | | 86 | | 30-150 |
| Decachlorobiphenyl | 110 | | 87 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-09,12-14,16 Batch: WG472844-2 WG472844-3 | | | | | | | | |
| Aroclor 1016 | 110 | | 105 | | 40-140 | 5 | | 50 |
| Aroclor 1260 | 100 | | 91 | | 40-140 | 9 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 77 | | 30-150 |
| Decachlorobiphenyl | 92 | | 74 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 104 | | 122 | | 30-150 |
| Decachlorobiphenyl | 119 | | 127 | | 30-150 |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 10 Batch: WG474337-2 WG474337-3 | | | | | | | | |
| Aroclor 1016 | 80 | | 104 | | 40-140 | 26 | | 50 |
| Aroclor 1260 | 82 | | 78 | | 40-140 | 5 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 84 | | 30-150 |
| Decachlorobiphenyl | 93 | | 89 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 99 | | 30-150 |
| Decachlorobiphenyl | 91 | | 107 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

Lab ID: L1108237-01
Client ID: SB-137 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 13:30
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

Lab ID: L1108237-02
Client ID: SB-137 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 13:35
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

Lab ID: L1108237-03
Client ID: SB-137 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 13:40
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

Lab ID: L1108237-04
Client ID: SB-137 (3-4)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 13:45
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

Lab ID: L1108237-05
Client ID: SB-138 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 13:10
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

Lab ID: L1108237-06
Client ID: SB-138 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 13:15
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

Lab ID: L1108237-07
Client ID: SB-138 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 13:20
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

Lab ID: L1108237-08
Client ID: SB-138 (3-4)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 13:25
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

Lab ID: L1108237-09
Client ID: SB-146 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 14:55
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 06/13/11 14:00 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

Lab ID: L1108237-10
Client ID: SB-146 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 15:00
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

Lab ID: L1108237-12
Client ID: SB-147 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 15:40
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

Lab ID: L1108237-13
Client ID: SB-147 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 15:45
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

Lab ID: L1108237-14
Client ID: SB-147 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 15:50
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

## SAMPLE RESULTS

Lab ID: L1108237-16
Client ID: SB-5147 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 15:41
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG472809-1 QC Sample: L1108236-06 Client ID: DUP Sample | | | | | | |
| Solids, Total | 95 | 94 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 10,12-14,16 QC Batch ID: WG472827-1 QC Sample: L1108237-10 Client ID: SB-146 (2-3) | | | | | | |
| Solids, Total | 93 | 93 | % | 0 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108237
**Report Date:** 06/22/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| B | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1108237-01A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108237-02A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108237-03A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108237-04A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108237-05A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108237-06A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108237-07A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108237-07B | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108237-07C | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108237-08A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108237-09A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108237-10A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108237-11A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | HOLD(14) |
| L1108237-12A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108237-12B | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108237-12C | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108237-13A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108237-14A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108237-15A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | HOLD(14) |
| L1108237-16A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1108237 |
| **Project Number:** | C569-000 | **Report Date:** | 06/22/11 |

## GLOSSARY

### *Acronyms*

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### *Footnotes*

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1108237 |
| **Project Number:** | C569-000 | **Report Date:** | 06/22/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1108237 |
| **Project Number:** | C569-000 | **Report Date:** | 06/22/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised June 7, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil (*Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2)

*Non-Potable Water* (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,**

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 3 OF ____

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108237

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group, Inc.
Address: 401 Wampanoaug trail #400
E. Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: kPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: Mcallister
Project Location: E. Providence
Project #: C569-000
Project Manager: Kevin Purdy
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/16/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☒ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State/Fed Program RIDEM Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☒ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**
*Filtration* ____
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB's w/SOX | Matrix Spike | Matrix Spike Dup. | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|
| 08237.1 | SB-137 (0-1) | 6-8-11 | 1330 | S | JDA | X | | | | |
| 2 | SB-137 (1-2) | ↓ | 1335 | S | ↓ | X | | | | |
| 3 | SB-137 (2-3) | ↓ | 1340 | S | ↓ | X | | | | |
| 4 | SB-137 (3-4) | ↓ | 1345 | S | ↓ | X | | | | |
| 5 | SB-138 (0-1) | ↓ | 1310 | S | ↓ | X | | | | |
| 6 | SB-138 (1-2) | ↓ | 1315 | S | ↓ | X | | | | |
| 7 | SB-138 (2-3) | ↓ | 1320 | S | ↓ | X | | | | |
| 8 | SB-138 (3-4) | ↓ | 1325 | S | ↓ | X | | | | |
| 7 | SB-138 (2-3) MS | ↓ | 1321 | S | ↓ | | X | | Matrix Spike | |
| 7 | SB-138 (2-3) MSD | ↓ | 1322 | | ↓ | | | X | Matrix Spike Dup. | |

| | |
|---|---|
| Container Type | |
| Preservative | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| K Olmide for JA 6/9 9:13 | | Steve Walsh | 6/9/11 1500 |
| [signature] | 6/9/11 1750 | [signature] | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 4 OF ____

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108237

## Client Information

Client: ESS Group, Inc.
Address: 401 Wampanoag trail #410
E. Providence, RI 02915
Phone: 401-330-1218
Fax: 401-434-8158
Email: kpurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: Mcallister
Project Location: E. Providence
Project #: C569-000
Project Manager: Kevin Purdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 6/10/11 Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☒ Same as Client info PO #:

## Regulatory Requirements/Report Limits

(State) /Fed Program RIDEM Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☒ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's by SOX | Matrix Spike | Matrix Spike Dup

SAMPLE HANDLING
Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's by SOX | Matrix Spike | Matrix Spike Dup | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|
| 68237.9 | SB-146(1-2) | 6-8-11 | 1455 | S | JDA | X | | | | |
| 10 | SB-146(2-3) | | 1500 | | | X | | | | |
| 11 | SB-146(3-4) | | 1505 | | | X | | | HOLD | |
| 12 | SB-147(0-1) | | 1540 | | | X | | | | |
| 13 | SB-147(1-2) | | 1545 | | | X | | | | |
| 14 | SB-147(2-3) | | 1550 | | | X | | | | |
| 15 | SB-147(3-4) | | 1555 | | | X | | | HOLD | |
| 16 | SB-5147(0-1) | | 1541 | | | X | | | | |
| 12 | SB-147(0-1)MS | | 1542 | | | | X | | | |
| 12 | SB-147(0-1)MSD | | 1543 | | | | | X | | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| | Container Type | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Preservative | | | | | | | | | | |
| Relinquished By: | Date/Time | Received By: | Date/Time |
| [signature] & JA | | [signature] | 6/9/11 1550 |
| [signature] | 6/9/11 1350 | [signature] | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1108238 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C569-000 |
| Report Date: | 06/21/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1108238-01 | SB-143 (3-4) | E. PROVIDENCE | 06/08/11 15:15 |
| L1108238-02 | SB-144 (0-1) | E. PROVIDENCE | 06/08/11 15:20 |
| L1108238-03 | SB-144 (1-2) | E. PROVIDENCE | 06/08/11 15:25 |
| L1108238-04 | SB-144 (2-3) | E. PROVIDENCE | 06/08/11 15:30 |
| L1108238-05 | SB-144 (3-4) | E. PROVIDENCE | 06/08/11 15:35 |
| L1108238-06 | SB-145 (0-1) | E. PROVIDENCE | 06/08/11 14:30 |
| L1108238-07 | SB-145 (1-2) | E. PROVIDENCE | 06/08/11 14:35 |
| L1108238-08 | SB-145 (2-3) | E. PROVIDENCE | 06/08/11 14:40 |
| L1108238-09 | SB-145 (3-4) | E. PROVIDENCE | 06/08/11 14:45 |
| L1108238-10 | SB-146 (0-1) | E. PROVIDENCE | 06/08/11 14:50 |
| L1108238-11 | SB-148 (5-6) | E. PROVIDENCE | 06/08/11 11:40 |
| L1108238-12 | SB-148 (6-7) | E. PROVIDENCE | 06/08/11 11:45 |
| L1108238-13 | SB-148 (7-8) | E. PROVIDENCE | 06/08/11 11:50 |
| L1108238-14 | SB-148 (8-9) | E. PROVIDENCE | 06/08/11 11:55 |
| L1108238-15 | SB-148 (9-10) | E. PROVIDENCE | 06/08/11 12:00 |
| L1108238-16 | SB-148 (10-11) | E. PROVIDENCE | 06/08/11 12:05 |
| L1108238-17 | SB-148 (11-12) | E. PROVIDENCE | 06/08/11 12:10 |
| L1108238-18 | SB-149 (0-1) | E. PROVIDENCE | 06/08/11 16:05 |
| L1108238-19 | SB-149 (1-2) | E. PROVIDENCE | 06/08/11 16:10 |
| L1108238-20 | SB-149 (2-3) | E. PROVIDENCE | 06/08/11 16:15 |
| L1108238-21 | SB-149 (3-4) | E. PROVIDENCE | 06/08/11 16:20 |
| L1108238-22 | SB-150 (0-1) | E. PROVIDENCE | 06/08/11 11:00 |
| L1108238-23 | SB-150 (1-2) | E. PROVIDENCE | 06/08/11 11:01 |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCBs

L1108238-04 and -06 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the target compounds present in the samples.

The surrogate recoveries for L1108238-04, -06 and -08 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

L1108238-07 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

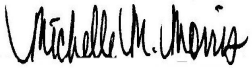
L1108238-08 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

**Project Name:** MCALLISTER **Lab Number:** L1108238
**Project Number:** C569-000 **Report Date:** 06/21/11

**Case Narrative (continued)**

The surrogate recoveries for L1108238-20 are above the acceptance criteria for Decachlorobiphenyl (349%/541%). This is due to Decachlorobiphenyl being part of Aroclor 1268 and Aroclor 1268 is present in the sample. No further actions were taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 06/21/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-02 | Date Collected: | 06/08/11 15:20 |
| Client ID: | SB-144 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 17:13 |
| Analytical Date: | 06/16/11 15:54 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1248 | 288 | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1254 | 241 | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 72 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 86 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-03 | Date Collected: | 06/08/11 15:25 |
| Client ID: | SB-144 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 17:13 |
| Analytical Date: | 06/16/11 15:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-03 | Date Collected: | 06/08/11 15:25 |
| Client ID: | SB-144 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 17:13 |
| Analytical Date: | 06/16/11 15:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 554 | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1254 | 426 | | ug/kg | 36.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108238-04 | D | Date Collected: | 06/08/11 15:30 |
| Client ID: | SB-144 (2-3) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 17:13 |
| Analytical Date: | 06/21/11 01:12 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1450 | -- | 40 |
| Aroclor 1221 | ND | | ug/kg | 1450 | -- | 40 |
| Aroclor 1232 | ND | | ug/kg | 1450 | -- | 40 |
| Aroclor 1242 | ND | | ug/kg | 1450 | -- | 40 |
| Aroclor 1248 | 2920 | | ug/kg | 1450 | -- | 40 |
| Aroclor 1260 | ND | | ug/kg | 1450 | -- | 40 |
| Aroclor 1262 | ND | | ug/kg | 1450 | -- | 40 |
| Aroclor 1268 | ND | | ug/kg | 1450 | -- | 40 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1108238

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108238-04 | D | Date Collected: | 06/08/11 15:30 |
| Client ID: | SB-144 (2-3) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 17:13 |
| Analytical Date: | 06/21/11 01:12 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 4130 | | ug/kg | 1450 | -- | 40 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108238-06 | D | Date Collected: | 06/08/11 14:30 |
| Client ID: | SB-145 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 17:13 |
| Analytical Date: | 06/21/11 01:24 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 682 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 682 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 682 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 682 | -- | 20 |
| Aroclor 1248 | 2060 | | ug/kg | 682 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 682 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 682 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 682 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1108238

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108238-06 | D | Date Collected: | 06/08/11 14:30 |
| Client ID: | SB-145 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 17:13 |
| Analytical Date: | 06/21/11 01:24 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 1880 | | ug/kg | 682 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-07 | Date Collected: | 06/08/11 14:35 |
| Client ID: | SB-145 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 17:13 |
| Analytical Date: | 06/17/11 00:07 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 135 | -- | 4 |
| Aroclor 1221 | ND | | ug/kg | 135 | -- | 4 |
| Aroclor 1232 | ND | | ug/kg | 135 | -- | 4 |
| Aroclor 1242 | ND | | ug/kg | 135 | -- | 4 |
| Aroclor 1248 | 532 | | ug/kg | 135 | -- | 4 |
| Aroclor 1260 | ND | | ug/kg | 135 | -- | 4 |
| Aroclor 1262 | ND | | ug/kg | 135 | -- | 4 |
| Aroclor 1268 | ND | | ug/kg | 135 | -- | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 |
| Decachlorobiphenyl | 113 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 110 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108238
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-07 | Date Collected: | 06/08/11 14:35 |
| Client ID: | SB-145 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/13/11 17:13 |
| Analytical Date: | 06/17/11 00:07 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 778 | | ug/kg | 135 | -- | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 |
| Decachlorobiphenyl | 113 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 110 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108238-08 | D | Date Collected: | 06/08/11 14:40 |
| Client ID: | SB-145 (2-3) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 17:13 |
| Analytical Date: | 06/17/11 00:19 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 96% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3360 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3360 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3360 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3360 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3360 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3360 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3360 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108238-08 | D | Date Collected: | 06/08/11 14:40 |
| Client ID: | SB-145 (2-3) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/13/11 17:13 |
| Analytical Date: | 06/17/11 00:19 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 96% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 28800 | | ug/kg | 3360 | -- | 100 |
| Aroclor 1254 | 15800 | | ug/kg | 3360 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108238
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-10 | Date Collected: | 06/08/11 14:50 |
| Client ID: | SB-146 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 18:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-10 | Date Collected: | 06/08/11 14:50 |
| Client ID: | SB-146 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 18:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 331 | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1260 | 43.9 | | ug/kg | 34.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-11 | Date Collected: | 06/08/11 11:40 |
| Client ID: | SB-148 (5-6) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 18:40 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 82% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 40.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 40.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 40.0 | -- | 1 |
| Aroclor 1254 | 477 | | ug/kg | 40.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 40.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 40.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 40.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 |
| Decachlorobiphenyl | 91 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-11 | Date Collected: | 06/08/11 11:40 |
| Client ID: | SB-148 (5-6) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 18:40 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 82% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1242 | 178 | | ug/kg | 40.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 |
| Decachlorobiphenyl | 91 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-12 | Date Collected: | 06/08/11 11:45 |
| Client ID: | SB-148 (6-7) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 18:53 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 80% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 39.5 | -- | 1 |
| Aroclor 1254 | 80.6 | | ug/kg | 39.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 |
| Decachlorobiphenyl | 91 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-12 | Date Collected: | 06/08/11 11:45 |
| Client ID: | SB-148 (6-7) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 18:53 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 80% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1242 | 82.6 | | ug/kg | 39.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 |
| Decachlorobiphenyl | 91 | | 30-150 |

**Project Name:** MCALLISTER
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-13 | Date Collected: | 06/08/11 11:50 |
| Client ID: | SB-148 (7-8) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 19:07 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 118 | | 30-150 |
| Decachlorobiphenyl | 99 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-18 | Date Collected: | 06/08/11 16:05 |
| Client ID: | SB-149 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 19:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 72 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 74 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-19 | Date Collected: | 06/08/11 16:10 |
| Client ID: | SB-149 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 19:33 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |

**Project Name:** MCALLISTER
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-20 | Date Collected: | 06/08/11 16:15 |
| Client ID: | SB-149 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 19:47 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 30-150 |
| Decachlorobiphenyl | **349** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 |
| Decachlorobiphenyl | **541** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-20 | Date Collected: | 06/08/11 16:15 |
| Client ID: | SB-149 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 19:47 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1268 | 95.2 | | ug/kg | 36.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 30-150 |
| Decachlorobiphenyl | **349** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 |
| Decachlorobiphenyl | **541** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-22 | Date Collected: | 06/08/11 11:00 |
| Client ID: | SB-150 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 20:00 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1242 | 39.0 | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-22 | Date Collected: | 06/08/11 11:00 |
| Client ID: | SB-150 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 20:00 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 338 | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1260 | 69.3 | | ug/kg | 35.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-23 | Date Collected: | 06/08/11 11:01 |
| Client ID: | SB-150 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 20:13 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108238-23 | Date Collected: | 06/08/11 11:01 |
| Client ID: | SB-150 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 20:13 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1242 | 79.2 | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1254 | 177 | | ug/kg | 35.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/16/11 19:55
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 06/13/11 16:46
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/16/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/16/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 02-04,06-08 Batch: WG472844-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.9 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 106 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/15/11 21:46
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 06/14/11 03:11
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/15/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/15/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 10-13,18-20,22-23 Batch: WG472907-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 115 | | 30-150 |
| Decachlorobiphenyl | 110 | | 30-150 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 02-04,06-08 QC Batch ID: WG472844-6 WG472844-7 QC Sample: L1108237-12 Client ID: MS Sample | | | | | | | | | | | | |
| Aroclor 1016 | ND | 213 | 252 | 119 | | 232 | 111 | | 40-140 | 8 | | 50 |
| Aroclor 1260 | ND | 213 | 234 | 110 | | 232 | 111 | | 40-140 | 1 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 85 | | 30-150 |
| Decachlorobiphenyl | 83 | | 82 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 114 | | 86 | | 30-150 |
| Decachlorobiphenyl | 110 | | 87 | | 30-150 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 10-13,18-20,22-23 QC Batch ID: WG472907-4 WG472907-5 QC Sample: L1108238-23 Client ID: SB-150 (1-2) | | | | | | | | | | | | |
| Aroclor 1016 | ND | 216 | 248 | 115 | | 227 | 105 | | 40-140 | 9 | | 50 |
| Aroclor 1260 | ND | 216 | 258 | 119 | | 242 | 112 | | 40-140 | 6 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 61 | | 30-150 |
| Decachlorobiphenyl | 82 | | 77 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 75 | | 30-150 |
| Decachlorobiphenyl | 79 | | 79 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 02-04,06-08 Batch: WG472844-2 WG472844-3 | | | | | | | | |
| Aroclor 1016 | 110 | | 105 | | 40-140 | 5 | | 50 |
| Aroclor 1260 | 100 | | 91 | | 40-140 | 9 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 77 | | 30-150 |
| Decachlorobiphenyl | 92 | | 74 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 104 | | 122 | | 30-150 |
| Decachlorobiphenyl | 119 | | 127 | | 30-150 |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 10-13,18-20,22-23 Batch: WG472907-2 WG472907-3 | | | | | | | | |
| Aroclor 1016 | 108 | | 102 | | 40-140 | 6 | | 50 |
| Aroclor 1260 | 91 | | 93 | | 40-140 | 2 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 80 | | 30-150 |
| Decachlorobiphenyl | 53 | | 61 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 108 | | 116 | | 30-150 |
| Decachlorobiphenyl | 80 | | 91 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108238-02
Client ID: SB-144 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 15:20
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108238-03
Client ID: SB-144 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 15:25
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108238-04
Client ID: SB-144 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 15:30
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108238-06
Client ID: SB-145 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 14:30
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108238-07
Client ID: SB-145 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 14:35
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108238-08
Client ID: SB-145 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 14:40
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108238-10
Client ID: SB-146 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 14:50
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108238-11
Client ID: SB-148 (5-6)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 11:40
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108238-12
Client ID: SB-148 (6-7)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 11:45
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 80 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108238-13
Client ID: SB-148 (7-8)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 11:50
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108238-18
Client ID: SB-149 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 16:05
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108238-19
Client ID: SB-149 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 16:10
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108238-20
Client ID: SB-149 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 16:15
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108238-22
Client ID: SB-150 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 11:00
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108238-23
Client ID: SB-150 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 11:01
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 06/13/11 14:15 | 30,2540G | JC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 02-04,06-08,10-13,18-20,22-23 QC Batch ID: WG472827-1 QC Sample: L1108237-10 Client ID: DUP Sample | | | | | | |
| Solids, Total | 93 | 93 | % | 0 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108238
**Report Date:** 06/21/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| B | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1108238-01A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | HOLD(14) |
| L1108238-02A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108238-03A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108238-04A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108238-05A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | HOLD(14) |
| L1108238-06A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108238-07A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108238-08A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108238-09A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | HOLD(14) |
| L1108238-10A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108238-11A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108238-12A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108238-13A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108238-14A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | HOLD(14) |
| L1108238-15A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | HOLD(14) |
| L1108238-16A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | HOLD(14) |
| L1108238-17A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | HOLD(14) |
| L1108238-18A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108238-19A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108238-20A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108238-21A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | HOLD(14) |
| L1108238-22A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108238-23A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108238-23B | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108238-23C | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1108238 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

## GLOSSARY

### *Acronyms*

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### *Footnotes*

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1108238 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1108238 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised June 7, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil (*Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2)

*Non-Potable Water* (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,**

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 5 OF ____

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108238

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group, Inc
Address: 401 Wampanoaug trail #400
E. Providence, RI 02915
Phone: 401-330-1218
Fax: 401-434-8158
Email: KPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister
Project Location: E. Providence
Project #: C569-000
Project Manager: Kevin Purdy
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/16/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☒ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☒ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs w/ SOX | Matrix Spike | Matrix Spike Dup | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|
| 08238.1 | SB-143(3-4) | 6-8-11 | 1515 | S | JDA | X | | | HOLD | |
| 2 | SB-144(0-1) | 6-8-11 | 1520 | ↓ | ↓ | X | | | | |
| 3 | SB-144(1-2) | ↓ | 1525 | ↓ | ↓ | X | | | | |
| 4 | SB-144(2-3) | ↓ | 1530 | ↓ | ↓ | X | | | | |
| 5 | SB-144(3-4) | ↓ | 1535 | ↓ | ↓ | X | | | HOLD | |
| 6 | SB-145(0-1) | ↓ | 1430 | ↓ | ↓ | X | | | | |
| 7 | SB-145(1-2) | ↓ | 1435 | ↓ | ↓ | X | | | | |
| 8 | SB-145(2-3) | ↓ | 1440 | ↓ | ↓ | X | | | | |
| 9 | SB-145(3-4) | ↓ | 1445 | ↓ | ↓ | X | | | HOLD | |
| 10 | SB-146(0-1) | ↓ | 1450 | ↓ | ↓ | X | | | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| | Container Type | Preservative |
|---|---|---|
| | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| K. Alhedt for JA | | [signature] | 6/9/11 1500 |
| [signature] 6/9 9:13 | 6/9/11 1750 | [signature] | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 6 OF ____

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108238

**Client Information**

Client: ESS Group, Inc.
Address: 401 Wampanoag Trail (#400
E. Providence, RI 02915
Phone: 401-330-1218
Fax: 401-434-8158
Email: KPurdy@ESSGroup.com
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister
Project Location: E. Providence
Project #: C569-000
Project Manager: Kevin Purdy
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 6/10/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☒ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

(State) Fed Program RIDEM Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☒ Yes ☒ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's w/ 50x | Matrix Spike | Matrix Spk Dup | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| | ~~SB-148 (0-1)~~ | ~~6-8-11~~ | ~~1115~~ | ~~S~~ | ~~JDA~~ | ~~X~~ | | | | |
| | ~~SB-148 (1-2)~~ | 6/8 | ~~1120~~ | S | JDA | ~~X~~ | | | | |
| | ~~SB-148 (2-3)~~ | | ~~1125~~ | | | ~~X~~ | | | | |
| | ~~SB-148 (3-4)~~ | | ~~1130~~ | | | ~~X~~ | | | | |
| | ~~SB-148 (4-5)~~ | | ~~1135~~ | | | ~~X~~ | | | | |
| 08238-11 | SB-148 (5-6) | | 1140 | | | X | | | | |
| 12 | SB-148 (6-7) | | 1145 | | | X | | | | |
| 13 | SB-148 (7-8) | | 1150 | | | X | | | | |
| 14 | SB-148 (8-9) | | 1155 | | | X | | | | HOLD |
| 15 | SB-148 (9-10) | | 1200 | | | X | | | | HOLD |

Container Type
Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [illegible] Fed Ex VA | | [illegible] | 6/9/11 1500 |
| [illegible] | 6/9/11 1730 | [illegible] | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 7 OF _____

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108238

**Client Information**

Client: ESSGroup, Inc.
Address: 401 Wampanoag trail #400
E. Providence, RI 02915
Phone: 401-330-1218
Fax: 401-434-8158
Email: kpurdy@essgroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: Mcallister
Project Location: E. Providence
Project #: C569-000
Project Manager: Kevin Purdy
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 6/10/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☒ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RIDEM Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☒ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCBs w/ 50x | Matrix Spike | Matrix Spk Dspl.

**SAMPLE HANDLING**

Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs w/ 50x | Matrix Spike | Matrix Spk Dspl. | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|
| 08238-16 | SB-148 (10-11) | 6-8-11 | 1205 | S | DDA | X | | | HOLD | |
| 17 | SB-148 (11-12) | | 1210 | | | X | | | HOLD | |
| 18 | SB-149 (0-1) | | 1605 | | | X | | | | |
| 19 | SB-149 (1-2) | | 1610 | | | X | | | | |
| 20 | SB-149 (2-3) | | 1615 | | | X | | | | |
| 21 | SB-149 (3-4) | | 1620 | | | X | | | HOLD | |
| 22 | SB-150 (0-1) | | 1100 | | | X | | | | |
| 23 | SB-150 (1-2) | | 1101 | | | X | | | | |
| 23 | SB-150 (1-2) MS | | 1102 | | | X | X | | | |
| 23 | SB-150 (1-2) MSD | | 1103 | | | X | | X | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | | | | | | | | | | |
| Preservative | | | | | | | | | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Kathleen for JA | | | 6/9/11 1500 |
| | 6/9 9:13 | | |
| | 6/9/11 1700 | | 6/9/11 1752 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1108239 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C569-000 |
| Report Date: | 06/21/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1108239-01 | SB-150 (2-3) | E. PROVIDENCE | 06/08/11 11:05 |
| L1108239-02 | SB-150 (3-4) | E. PROVIDENCE | 06/08/11 11:10 |
| L1108239-03 | SB-151 (0-1) | E. PROVIDENCE | 06/08/11 10:20 |
| L1108239-04 | SB-151 (1-2) | E. PROVIDENCE | 06/08/11 10:25 |
| L1108239-05 | SB-151 (2-3) | E. PROVIDENCE | 06/08/11 10:30 |
| L1108239-06 | SB-151 (3-4) | E. PROVIDENCE | 06/08/11 10:35 |
| L1108239-07 | SB-5151 (1-2) | E. PROVIDENCE | 06/08/11 10:26 |
| L1108239-08 | SB-152 (0-1) | E. PROVIDENCE | 06/08/11 10:00 |
| L1108239-09 | SB-152 (1-2) | E. PROVIDENCE | 06/08/11 10:05 |
| L1108239-10 | SB-152 (2-3) | E. PROVIDENCE | 06/08/11 10:10 |
| L1108239-11 | SB-152 (3-4) | E. PROVIDENCE | 06/08/11 10:15 |
| L1108239-12 | SB-153 (0-1) | E. PROVIDENCE | 06/08/11 09:40 |
| L1108239-13 | SB-153 (1-2) | E. PROVIDENCE | 06/08/11 09:45 |
| L1108239-14 | SB-153 (2-3) | E. PROVIDENCE | 06/08/11 09:50 |
| L1108239-15 | SB-153 (3-4) | E. PROVIDENCE | 06/08/11 09:55 |
| L1108239-16 | SB-155 (0-1) | E. PROVIDENCE | 06/08/11 09:20 |
| L1108239-17 | SB-155 (1-2) | E. PROVIDENCE | 06/08/11 09:25 |
| L1108239-18 | SB-155 (2-3) | E. PROVIDENCE | 06/08/11 09:30 |
| L1108239-19 | SB-155 (3-4) | E. PROVIDENCE | 06/08/11 09:35 |
| L1108239-20 | SB-159 (0-1) | E. PROVIDENCE | 06/08/11 09:00 |
| L1108239-21 | SB-159 (1-2) | E. PROVIDENCE | 06/08/11 09:05 |
| L1108239-22 | SB-159 (2-3) | E. PROVIDENCE | 06/08/11 09:10 |
| L1108239-23 | SB-159 (3-4) | E. PROVIDENCE | 06/08/11 09:15 |
| L1108239-24 | SB-163 (0-1) | E. PROVIDENCE | 06/08/11 08:40 |
| L1108239-25 | SB-163 (1-2) | E. PROVIDENCE | 06/08/11 08:45 |
| L1108239-26 | SB-163 (2-3) | E. PROVIDENCE | 06/08/11 08:50 |
| L1108239-27 | SB-163 (3-4) | E. PROVIDENCE | 06/08/11 08:55 |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCBs

L1108239-03 and -16 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the target compounds present in the samples.

L1108239-04, -08 and -24 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1108239-07 and -12 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

The surrogate recoveries for L1108239-03, -08 and -16 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 06/21/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-01 | Date Collected: | 06/08/11 11:05 |
| Client ID: | SB-150 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 20:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 51 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 110 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108239-03 | D | Date Collected: | 06/08/11 10:20 |
| Client ID: | SB-151 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/21/11 14:15 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 756 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 756 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 756 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 756 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 756 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 756 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 756 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108239-03 | D | Date Collected: | 06/08/11 10:20 |
| Client ID: | SB-151 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/21/11 14:15 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 7500 | | ug/kg | 756 | -- | 20 |
| Aroclor 1254 | 6390 | | ug/kg | 756 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108239-04 | D | Date Collected: | 06/08/11 10:25 |
| Client ID: | SB-151 (1-2) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/21/11 14:01 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1254 | 956 | | ug/kg | 180 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 180 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 115 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 97 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108239-04 | D | Date Collected: | 06/08/11 10:25 |
| Client ID: | SB-151 (1-2) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/21/11 14:01 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 824 | | ug/kg | 180 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 115 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 97 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-05 | Date Collected: | 06/08/11 10:30 |
| Client ID: | SB-151 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 21:06 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1254 | 56.3 | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 |
| Decachlorobiphenyl | 55 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 76 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-07 | Date Collected: | 06/08/11 10:26 |
| Client ID: | SB-5151 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 21:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 70.6 | -- | 2 |
| Aroclor 1221 | ND | | ug/kg | 70.6 | -- | 2 |
| Aroclor 1232 | ND | | ug/kg | 70.6 | -- | 2 |
| Aroclor 1248 | ND | | ug/kg | 70.6 | -- | 2 |
| Aroclor 1260 | 89.6 | | ug/kg | 70.6 | -- | 2 |
| Aroclor 1262 | ND | | ug/kg | 70.6 | -- | 2 |
| Aroclor 1268 | ND | | ug/kg | 70.6 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-07 | Date Collected: | 06/08/11 10:26 |
| Client ID: | SB-5151 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 21:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1242 | 102 | | ug/kg | 70.6 | -- | 2 |
| Aroclor 1254 | 724 | | ug/kg | 70.6 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108239-08 | D | Date Collected: | 06/08/11 10:00 |
| Client ID: | SB-152 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/21/11 14:28 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 377 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 377 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 377 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 377 | -- | 10 |
| Aroclor 1254 | 1670 | | ug/kg | 377 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 377 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 377 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 377 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108239-08 | D | Date Collected: | 06/08/11 10:00 |
| Client ID: | SB-152 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/21/11 14:28 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 2120 | | ug/kg | 377 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-09 | Date Collected: | 06/08/11 10:05 |
| Client ID: | SB-152 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 22:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 82 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 79 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-10 | Date Collected: | 06/08/11 10:10 |
| Client ID: | SB-152 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 22:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-12 | Date Collected: | 06/08/11 09:40 |
| Client ID: | SB-153 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 18:26 |
| Analytical Date: | 06/17/11 01:21 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 143 | -- | 4 |
| Aroclor 1221 | ND | | ug/kg | 143 | -- | 4 |
| Aroclor 1232 | ND | | ug/kg | 143 | -- | 4 |
| Aroclor 1242 | ND | | ug/kg | 143 | -- | 4 |
| Aroclor 1254 | 388 | | ug/kg | 143 | -- | 4 |
| Aroclor 1260 | ND | | ug/kg | 143 | -- | 4 |
| Aroclor 1262 | ND | | ug/kg | 143 | -- | 4 |
| Aroclor 1268 | ND | | ug/kg | 143 | -- | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 104 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-12 | Date Collected: | 06/08/11 09:40 |
| Client ID: | SB-153 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 18:26 |
| Analytical Date: | 06/17/11 01:21 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/16/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 344 | | ug/kg | 143 | -- | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 104 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-13 | Date Collected: | 06/08/11 09:45 |
| Client ID: | SB-153 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 23:06 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1254 | 202 | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1260 | 66.8 | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-14 | Date Collected: | 06/08/11 09:50 |
| Client ID: | SB-153 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:11 |
| Analytical Date: | 06/15/11 23:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 103 | | 30-150 |
| Decachlorobiphenyl | 86 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1108239

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108239-16 | D | Date Collected: | 06/08/11 09:20 |
| Client ID: | SB-155 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/14/11 03:54 |
| Analytical Date: | 06/21/11 19:04 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 390 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 390 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 390 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 390 | -- | 10 |
| Aroclor 1248 | 3560 | | ug/kg | 390 | -- | 10 |
| Aroclor 1254 | 2800 | | ug/kg | 390 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 390 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 390 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 390 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-17 | Date Collected: | 06/08/11 09:25 |
| Client ID: | SB-155 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:54 |
| Analytical Date: | 06/16/11 00:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1248 | 428 | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1254 | 509 | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 99 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-18 | Date Collected: | 06/08/11 09:30 |
| Client ID: | SB-155 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:54 |
| Analytical Date: | 06/16/11 00:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 85 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-20 | Date Collected: | 06/08/11 09:00 |
| Client ID: | SB-159 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:54 |
| Analytical Date: | 06/16/11 00:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1248 | 240 | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-20 | Date Collected: | 06/08/11 09:00 |
| Client ID: | SB-159 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:54 |
| Analytical Date: | 06/16/11 00:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 246 | | ug/kg | 35.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-21 | Date Collected: | 06/08/11 09:05 |
| Client ID: | SB-159 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:54 |
| Analytical Date: | 06/16/11 00:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 85 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-21 | Date Collected: | 06/08/11 09:05 |
| Client ID: | SB-159 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:54 |
| Analytical Date: | 06/16/11 00:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | ND | | ug/kg | 35.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 85 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-22 | Date Collected: | 06/08/11 09:10 |
| Client ID: | SB-159 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:54 |
| Analytical Date: | 06/16/11 00:51 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 126 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1108239

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108239-24 | D | Date Collected: | 06/08/11 08:40 |
| Client ID: | SB-163 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/14/11 03:54 |
| Analytical Date: | 06/21/11 19:16 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 183 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 183 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 183 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 183 | -- | 5 |
| Aroclor 1248 | 964 | | ug/kg | 183 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 183 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 183 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 183 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 |
| Decachlorobiphenyl | 112 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 107 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1108239

**Project Number:** C569-000 **Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1108239-24 | D | Date Collected: | 06/08/11 08:40 |
| Client ID: | SB-163 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/14/11 03:54 |
| Analytical Date: | 06/21/11 19:16 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 981 | | ug/kg | 183 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 |
| Decachlorobiphenyl | 112 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 107 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-25 | Date Collected: | 06/08/11 08:45 |
| Client ID: | SB-163 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:54 |
| Analytical Date: | 06/16/11 01:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 40.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 40.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 40.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 40.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 40.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 40.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 40.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-25 | Date Collected: | 06/08/11 08:45 |
| Client ID: | SB-163 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:54 |
| Analytical Date: | 06/16/11 01:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | ND | | ug/kg | 40.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1108239-26 | Date Collected: | 06/08/11 08:50 |
| Client ID: | SB-163 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/14/11 03:54 |
| Analytical Date: | 06/16/11 01:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/15/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/15/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 30 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 31 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/15/11 21:46
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 06/14/11 03:11
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/15/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/15/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01,03-05,07-10,13-14 Batch: WG472907-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 115 | | 30-150 |
| Decachlorobiphenyl | 110 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/16/11 02:05
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 06/14/11 03:54
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/15/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/15/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 12,16-18,20-22,24-26 Batch: WG472916-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 82 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 30-150 |
| Decachlorobiphenyl | 116 | | 30-150 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01,03-05,07-10,13-14 QC Batch ID: WG472907-4 WG472907-5 QC Sample: L1108238-23 Client ID: MS Sample | | | | | | | | | | | | |
| Aroclor 1016 | ND | 216 | 248 | 115 | | 227 | 105 | | 40-140 | 9 | | 50 |
| Aroclor 1260 | ND | 216 | 258 | 119 | | 242 | 112 | | 40-140 | 6 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 61 | | 30-150 |
| Decachlorobiphenyl | 82 | | 77 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 75 | | 30-150 |
| Decachlorobiphenyl | 79 | | 79 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01,03-05,07-10,13-14 Batch: WG472907-2 WG472907-3 | | | | | | | | |
| Aroclor 1016 | 108 | | 102 | | 40-140 | 6 | | 50 |
| Aroclor 1260 | 91 | | 93 | | 40-140 | 2 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 80 | | 30-150 |
| Decachlorobiphenyl | 53 | | 61 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 108 | | 116 | | 30-150 |
| Decachlorobiphenyl | 80 | | 91 | | 30-150 |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 12,16-18,20-22,24-26 Batch: WG472916-2 WG472916-3 | | | | | | | | |
| Aroclor 1016 | 95 | | 91 | | 40-140 | 4 | | 50 |
| Aroclor 1260 | 77 | | 76 | | 40-140 | 1 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 74 | | 30-150 |
| Decachlorobiphenyl | 80 | | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 106 | | 104 | | 30-150 |
| Decachlorobiphenyl | 119 | | 119 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-01
Client ID: SB-150 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 11:05
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-03
Client ID: SB-151 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 10:20
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-04
Client ID: SB-151 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 10:25
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-05
Client ID: SB-151 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 10:30
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-07
Client ID: SB-5151 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 10:26
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 06/14/11 09:05 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-08
Client ID: SB-152 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 10:00
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-09
Client ID: SB-152 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 10:05
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-10
Client ID: SB-152 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 10:10
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-12
Client ID: SB-153 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 09:40
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-13
Client ID: SB-153 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 09:45
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-14
Client ID: SB-153 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 09:50
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-16
Client ID: SB-155 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 09:20
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-17
Client ID: SB-155 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 09:25
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-18
Client ID: SB-155 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 09:30
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-20
Client ID: SB-159 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 09:00
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-21
Client ID: SB-159 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 09:05
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-22
Client ID: SB-159 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 09:10
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-24
Client ID: SB-163 (0-1)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 08:40
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-25
Client ID: SB-163 (1-2)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 08:45
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## SAMPLE RESULTS

Lab ID: L1108239-26
Client ID: SB-163 (2-3)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 08:50
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 06/13/11 15:35 | 30,2540G | JC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01,03-05,08-10,12-14,16-18,20-22,24-26 QC Batch ID: WG472842-1 QC Sample: L1108239-01 Client ID: SB-150 (2-3) | | | | | | |
| Solids, Total | 96 | 96 | % | 0 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG472948-1 QC Sample: L1107878-10 Client ID: DUP Sample | | | | | | |
| Solids, Total | 83 | 82 | % | 1 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| B | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1108239-01A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-02A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | HOLD(14) |
| L1108239-03A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-04A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-05A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-06A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | HOLD(14) |
| L1108239-07A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-08A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-09A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-10A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-11A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | HOLD(14) |
| L1108239-12A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-13A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-14A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-15A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | HOLD(14) |
| L1108239-16A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-17A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-18A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-19A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | HOLD(14) |
| L1108239-20A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-21A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-22A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-23A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | HOLD(14) |
| L1108239-24A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-25A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-26A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1108239-27A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | HOLD(14) |

*Values in parentheses indicate holding time in days

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1108239
**Report Date:** 06/21/11

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|

**Container Comments**

L1108239-01A

L1108239-07A

L1108239-17A

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1108239 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

## GLOSSARY

### *Acronyms*

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### *Footnotes*

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1108239 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1108239 |
| **Project Number:** | C569-000 | **Report Date:** | 06/21/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised June 7, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil (*Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2)

*Non-Potable Water* (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,**

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 8 OF _____

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108239


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


Serial No:06211121:53

## Client Information

Client: ESS Group, Inc.

Address: 401 Wampanoag Trail #400 E. Providence, RI 02915

Phone: 401-330-1218

Fax: 401-434-8158

Email: KPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: Mcallister

Project Location: E. Providence

Project #: C569-000

Project Manager: Kevin Purdy

ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/16/11 Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

## Billing Information

☒ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program RIDEM Criteria

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☒ No Are MCP Analytical Methods Required?

☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/ 5ox

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's w/ 5ox | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 08239.1 | SB-150 (2-3) | 6-8-11 | 1105 | S | JDA | X | |
| 2 | SB-150 (3-4) | 6-8-11 | 1110 | | | X | HOLD |
| 3 | SB-151 (0-1) | | 1020 | | | X | |
| 4 | SB-151 (1-2) | | 1025 | | | X | |
| 5 | SB-151 (2-3) | | 1030 | | | X | |
| 6 | SB-151 (3-4) | | 1035 | | | X | HOLD |
| 7 | SB-5151 (1-2) | | 1026 | | | X | |
| 8 | SB-152 (0-1) | | 1000 | | | X | |
| 9 | SB-152 (1-2) | | 1005 | | | X | |
| 10 | SB-152 (2-3) | | 1010 | | | X | CW 6/24/11 |

| Container Type | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Preservative | | | | | | | | | | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| K. Allucid for JA | | Stewart | 6/9/11 1500 |
| Stewart | 6/9/11 1750 | | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 8 OF _____

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108239


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


Serial No:06211121:53

## Client Information

Client: ESS Group, Inc.

Address: 401 Wampanoag Trail #400 E. Providence, RI 02915

Phone: 401-330-1218

Fax: 401-434-8158

Email: KPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: Mcallister

Project Location: E. Providence

Project #: C569-000

Project Manager: Kevin Purdy

ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/16/11 Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

## Billing Information

☒ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program RIDEM Criteria

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☒ No Are MCP Analytical Methods Required?

☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/ 50X

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's w/ 50X | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 08239.1 | SB-150 (2-3) | 6-8-11 | 1105 | S | JDA | X | |
| 2 | SB-150 (3-4) | 6-8-11 | 1110 | | | X | HOLD |
| 3 | SB-151 (0-1) | | 1020 | | | X | |
| 4 | SB-151 (1-2) | | 1025 | | | X | |
| 5 | SB-151 (2-3) | | 1030 | | | X | |
| 6 | SB-151 (3-4) | | 1035 | | | X | HOLD |
| 7 | SB-5151 (1-2) | | 1026 | | | X | |
| 8 | SB-152 (0-1) | | 1000 | | | | |
| 9 | SB-152 (1-2) | | 1005 | | | | |
| 10 | SB-152 (2-3) | | 1010 | | | | |

| Container Type | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Preservative | | | | | | | | | | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| K. Allucid for JA | | Stewart | 6/9/11 1500 |
| Stewart | 6/9/11 1750 | | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 9 OF 10

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108239

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group, Inc
Address: 401 Wampanoag trail #400
E. Providence, RI 02915
Phone: 401-330-1218
Fax: 401-434-8158
Email: KPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister
Project Location: E. Providence
Project #: C569-000
Project Manager: Kevin Purdy
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/16/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☒ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State/Fed Program RIDEM Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☒ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/SOX

SAMPLE HANDLING
Filtration ____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's w/SOX | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 08239.11 | SB-152 (3-4) | 6-8-11 | 1015 | S | JDA | X | HOLD | |
| 12 | SB-153 (0-1) | ↓ | 0940 | ↓ | ↓ | X | | |
| 13 | SB-153 (1-2) | | 0945 | | | X | | |
| 14 | SB-153 (2-3) | | 0950 | | | X | | |
| 15 | SB-153 (3-4) | | 0955 | | | X | HOLD | |
| 16 | SB-155 (0-1) | | 0920 | | | X | | |
| 17 | SB-155 (1-2) | | 0925 | | | X | | |
| 18 | SB-155 (2-3) | | 0930 | | | X | | |
| 19 | SB-155 (3-4) | | 0935 | | | X | HOLD | |
| 20 | SB-159 (0-1) | ↓ | 0900 | ↓ | ↓ | X | | |

Container Type
Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| K Alinder for JA | | [signature] | 6/9/11 1500 |
| [signature] 6/9 9:13 | 6/9/11 1750 | [signature] | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

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Serial No:06211101153
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# CHAIN OF CUSTODY

PAGE 10 OF 10

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108239

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group.com
Address: 401 Wampanoaug trail #400 E. Providence, RI 02915
Phone: 401-330-1218
Fax: 401-434-8158
Email: Kfurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister
Project Location: E. Providence
Project #: C569-000
Project Manager: Kevin Purdy
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/16/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☒ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RIDEM Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☒ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS PCB's w/ SOX | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 08239.21 | SB-159 (1-2) | 6/8/11 | 0905 | S | JDA | X | | |
| 22 | SB-159 (2-3) | | 0910 | | | X | | |
| 23 | SB-159 (3-4) | | 0915 | | | X | HOLD | |
| 24 | SB-163 (0-1) | | 0840 | | | X | | |
| 25 | SB-163 (1-2) | | 0845 | | | X | | |
| 26 | SB-163 (2-3) | | 0850 | | | X | | |
| 27 | SB-163 (3-4) | | 0855 | | | X | HOLD | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP or CT RCP?

| Container Type | |
|---|---|
| Preservative | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] for JA 6/9 9:13 | | [signature] | 6/9/11 1500 |
| [signature] | 6/9/11 1750 | [signature] | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1109066 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C569-000 |
| Report Date: | 07/06/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1109066
**Report Date:** 07/06/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1109066-01 | SB-143 (3-4) | E. PROVIDENCE | 06/08/11 15:15 |
| L1109066-02 | SB-144 (3-4) | E. PROVIDENCE | 06/08/11 15:35 |
| L1109066-03 | SB-145 (3-4) | E. PROVIDENCE | 06/08/11 14:45 |
| L1109066-04 | SB-146 (3-4) | E. PROVIDENCE | 06/08/11 15:05 |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1109066
**Report Date:** 07/06/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCBs

L1109066-01 and -04 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L1109066-01 and -04 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

L1109066-03 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

The surrogate recoveries for L1109066-03 are outside the acceptance criteria for Decachlorobiphenyl (265%/303%); however, the sample was not re-extracted due to coelution with obvious interferences. A copy of the chromatogram is included as an attachment to this report.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 07/06/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1109066
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1109066-01 | D | Date Collected: | 06/08/11 15:15 |
| Client ID: | SB-143 (3-4) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/22/11 20:21 |
| Analytical Date: | 07/02/11 19:30 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 07/01/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 07/01/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1060 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 1060 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 1060 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 1060 | -- | 10 |
| Aroclor 1248 | 16600 | | ug/kg | 1060 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 1060 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 1060 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 1060 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1109066
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1109066-01 | D | Date Collected: | 06/08/11 15:15 |
| Client ID: | SB-143 (3-4) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/22/11 20:21 |
| Analytical Date: | 07/02/11 19:30 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 07/01/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 07/01/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 7860 | | ug/kg | 1060 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1109066
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109066-02 | Date Collected: | 06/08/11 15:35 |
| Client ID: | SB-144 (3-4) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/22/11 20:21 |
| Analytical Date: | 07/01/11 21:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 07/01/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 07/01/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 142 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1109066
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109066-02 | Date Collected: | 06/08/11 15:35 |
| Client ID: | SB-144 (3-4) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/22/11 20:21 |
| Analytical Date: | 07/01/11 21:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 07/01/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 07/01/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1254 | 49.2 | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 142 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1109066
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109066-03 | Date Collected: | 06/08/11 14:45 |
| Client ID: | SB-145 (3-4) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/22/11 20:21 |
| Analytical Date: | 07/01/11 20:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 07/01/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 07/01/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 72.4 | -- | 2 |
| Aroclor 1221 | ND | | ug/kg | 72.4 | -- | 2 |
| Aroclor 1232 | ND | | ug/kg | 72.4 | -- | 2 |
| Aroclor 1242 | ND | | ug/kg | 72.4 | -- | 2 |
| Aroclor 1248 | ND | | ug/kg | 72.4 | -- | 2 |
| Aroclor 1254 | ND | | ug/kg | 72.4 | -- | 2 |
| Aroclor 1260 | 82.0 | | ug/kg | 72.4 | -- | 2 |
| Aroclor 1262 | ND | | ug/kg | 72.4 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 |
| Decachlorobiphenyl | **265** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 50 | | 30-150 |
| Decachlorobiphenyl | **303** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1109066
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109066-03 | Date Collected: | 06/08/11 14:45 |
| Client ID: | SB-145 (3-4) | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/22/11 20:21 |
| Analytical Date: | 07/01/11 20:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 07/01/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 07/01/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1268 | 92.5 | | ug/kg | 72.4 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 |
| Decachlorobiphenyl | **265** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 50 | | 30-150 |
| Decachlorobiphenyl | **303** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1109066
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1109066-04 | D | Date Collected: | 06/08/11 15:05 |
| Client ID: | SB-146 (3-4) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/22/11 20:21 |
| Analytical Date: | 07/02/11 19:42 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 07/01/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 07/01/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1810 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1810 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1810 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1810 | -- | 50 |
| Aroclor 1254 | 4310 | | ug/kg | 1810 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1810 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1810 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1810 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000
**Lab Number:** L1109066
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1109066-04 | D | Date Collected: | 06/08/11 15:05 |
| Client ID: | SB-146 (3-4) | | Date Received: | 06/09/11 |
| Sample Location: | E. PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/22/11 20:21 |
| Analytical Date: | 07/02/11 19:42 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 07/01/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 07/01/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 7980 | | ug/kg | 1810 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1109066
**Report Date:** 07/06/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 07/01/11 22:09
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 06/22/11 20:21
Cleanup Method1: EPA 3665A
Cleanup Date1: 07/01/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 07/01/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-04 Batch: WG474773-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.2 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1109066
**Report Date:** 07/06/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG474773-2 WG474773-3 | | | | | | | | |
| Aroclor 1016 | 111 | | 91 | | 40-140 | 20 | | 50 |
| Aroclor 1260 | 70 | | 82 | | 40-140 | 16 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 79 | | 30-150 |
| Decachlorobiphenyl | 58 | | 93 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 111 | | 30-150 |
| Decachlorobiphenyl | 57 | | 142 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1109066
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109066-01
Client ID: SB-143 (3-4)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 15:15
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 06/24/11 22:25 | 30,2540G | RD |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1109066
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109066-02
Client ID: SB-144 (3-4)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 15:35
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/24/11 22:25 | 30,2540G | RD |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1109066
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109066-03
Client ID: SB-145 (3-4)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 14:45
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 06/24/11 22:25 | 30,2540G | RD |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1109066
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109066-04
Client ID: SB-146 (3-4)
Sample Location: E. PROVIDENCE
Matrix: Soil

Date Collected: 06/08/11 15:05
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 06/24/11 22:25 | 30,2540G | RD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1109066
**Report Date:** 07/06/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG475281-1 QC Sample: L1109154-01 Client ID: DUP Sample | | | | | | |
| Solids, Total | 90 | 90 | % | 0 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C569-000

**Lab Number:** L1109066
**Report Date:** 07/06/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1109066-01A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109066-02A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109066-03A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109066-04A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1109066 |
| **Project Number:** | C569-000 | **Report Date:** | 07/06/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1109066 |
| **Project Number:** | C569-000 | **Report Date:** | 07/06/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1109066 |
| **Project Number:** | C569-000 | **Report Date:** | 07/06/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised June 7, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil (*Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2)

*Non-Potable Water* (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,**

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

L1109066

# CHAIN OF CUSTODY

PAGE 5 OF ____

Date Rec'd in Lab: 6/9/11

ALPHA Job #: ~~L1108238~~ 6/22/11 KB

ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

**Client Information**

Client: ESS Group, Inc
Address: 401 Wampanoag trail #400
E. Providence, RI 02915
Phone: 401-330-1218
Fax: 401-434-8158
Email: KPurdy@ESSGroup.com
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister
Project Location: E. Providence
Project #: C569-000
Project Manager: Kevin Purdy
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 6/29/11 ~~6/16/11~~ Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☒ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☒ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCBs w/ sox; Matrix Spike; Matrix Spike Dup

SAMPLE HANDLING
Filtration ____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

| 9066 | ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs w/ sox | Matrix Spike | Matrix Spike Dup | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| .01 | ~~08238-1~~ | SB-143 (3-4) | 6-8-11 | 1515 | S | JDA | X | | | ~~HOLD~~ |
| | ~~2~~ | SB-144 (0-1) | 6-8-11 | 1520 | | | X | | | |
| | ~~3~~ | SB-144 (1-2) | | 1525 | | | X | | | |
| | ~~4~~ | SB-144 (2-3) | | 1530 | | | X | | | |
| .02 | ~~5~~ | SB-144 (3-4) | | 1535 | | | X | | | ~~HOLD~~ |
| | ~~6~~ | SB-145 (0-1) | | 1430 | | | X | | | |
| | ~~7~~ | SB-145 (1-2) | | 1435 | | | X | | | |
| | ~~8~~ | SB-145 (2-3) | | 1440 | | | X | | | |
| .03 | ~~9~~ | SB-145 (3-4) | | 1445 | | | X | | | ~~HOLD~~ KB |
| | ~~10~~ | SB-146 (0-1) | | 1450 | | | X | | | |

Container Type
Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| K. Alheit for JA | | [signature] | 6/9/11 1500 |
| 6/9 9:13 [signature] | 6/9/11 1250 | [signature] | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

U10 9066

# CHAIN OF CUSTODY

PAGE 4 OF ____

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108237

6/9/11 KB

## Client Information

Client: ESS Group, Inc.
Address: 401 Wampanoag Trail #410
E. Providence, RI 02915
Phone: 401-330-1218
Fax: 401-434-8158
Email: klurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: Mcallister
Project Location: E. Providence
Project #: C569-000
Project Manager: Kevin Lurdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 6/29/11 ~~6/16/11~~ Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☒ Same as Client info PO #:

## Regulatory Requirements/Report Limits

(State) Fed Program RIDEM Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☒ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/ SOX; Matrix Spike; Matrix Spike Dup

SAMPLE HANDLING
Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do (Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 9066 08237-9 | SB-146 (1-2) | 6-8-11 | 1455 | S | JDA | X | |
| -10 | SB-146 (2-3) | | 1500 | | | X | |
| 04 -11 | SB-146 (3-4) | | 1505 | | | ☒ | HOLD |
| -12 | SB-147 (0-1) | | 1540 | | | X | |
| -13 | SB-147 (1-2) | | 1545 | | | X | |
| -14 | SB-147 (2-3) | | 1550 | | | X | |
| -15 | SB-147 (3-4) | | 1555 | | | X | HOLD |
| -16 | SB-5147 (0-1) | | 1541 | | | X | |
| -12 | SB-147 (0-1) MS | | 1542 | | | X | |
| -12 | SB-147 (0-1) MSD | | 1543 | | | X | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01 (rev. 18-Jan-2010)

| | Container Type | Preservative |
|---|---|---|
| | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] & JA | | [signature] | 6/9/11 1750 |
| [signature] | 6/9/11 1750 | [signature] | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

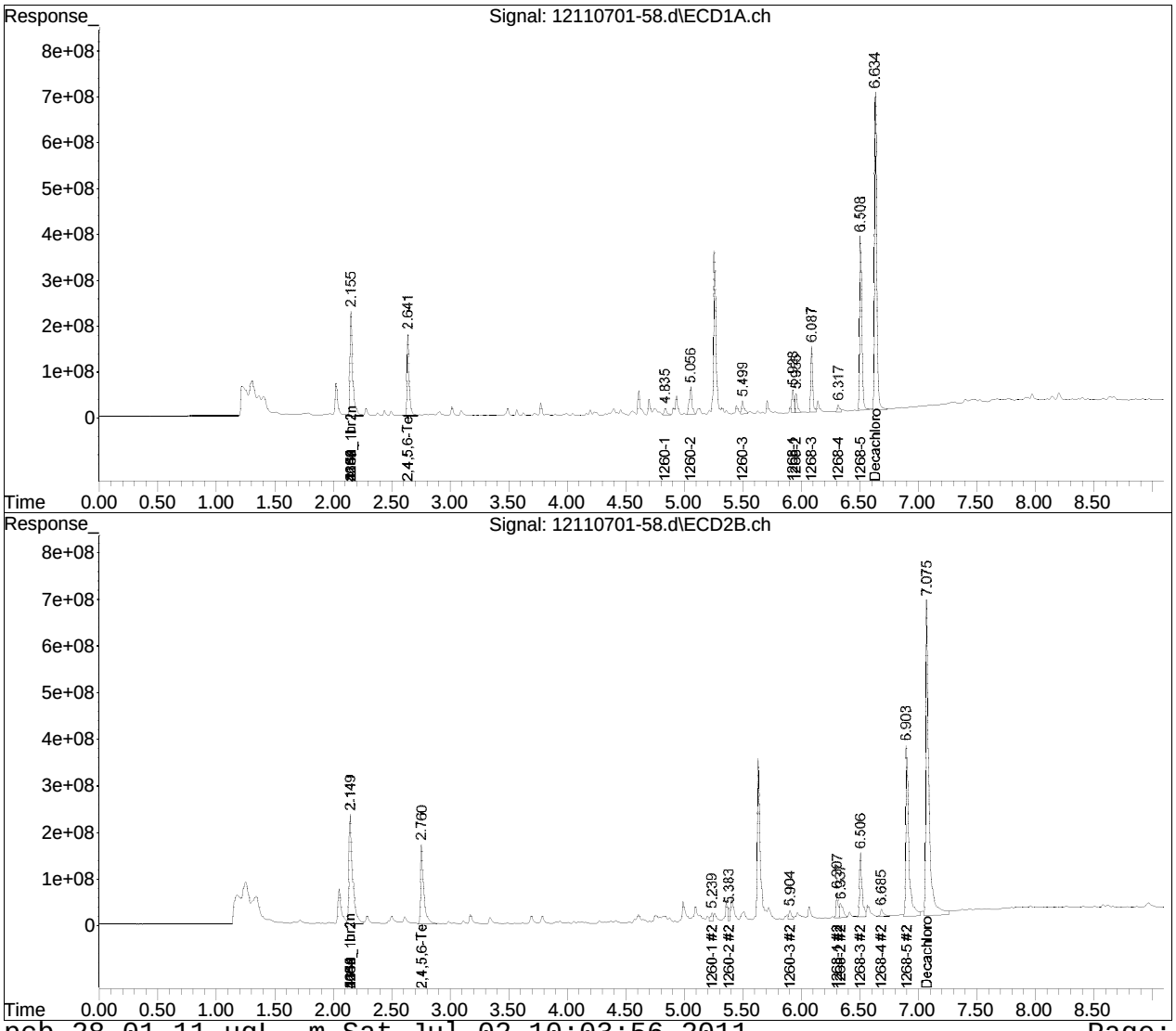
Quantitation Report (QT Reviewed)

Data Path : I:\Pest12\110701\
Data File : 12110701-58.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Jul 2011 8:41 pm
Operator : pest12:ss
Sample : l1109066-03,42e,,fv2
Misc : wg476554,wg474773,ical5910
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 02 10:03:27 2011
Quant Method : I:\Pest12\Methods Pest12\P12_pcb 28-01-11_ugL_.m
Quant Title : pcb
QLast Update : Thu Jun 30 23:47:13 2011
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed



# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1109161 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER-PVD |
| Project Number: | C569-000 |
| Report Date: | 07/06/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1109161-01 | SB-157 (10-11) | PROVIDENCE, RI | 06/09/11 10:10 |
| L1109161-02 | SB-157 (11-12) | PROVIDENCE, RI | 06/09/11 10:15 |
| L1109161-03 | SB-154 (8-9) | PROVIDENCE, RI | 06/09/11 11:55 |
| L1109161-04 | SB-154 (9-10) | PROVIDENCE, RI | 06/09/11 12:00 |
| L1109161-05 | SB-154 (10-11) | PROVIDENCE, RI | 06/09/11 12:05 |
| L1109161-06 | SB-154 (11-12) | PROVIDENCE, RI | 06/09/11 12:10 |
| L1109161-07 | SB-156 (8-9) | PROVIDENCE, RI | 06/09/11 12:55 |
| L1109161-08 | SB-156 (9-10) | PROVIDENCE, RI | 06/09/11 13:00 |
| L1109161-09 | SB-156 (10-11) | PROVIDENCE, RI | 06/09/11 13:05 |
| L1109161-10 | SB-156 (11-12) | PROVIDENCE, RI | 06/09/11 13:10 |
| L1109161-11 | SB-157 (4-5) | PROVIDENCE, RI | 06/09/11 09:40 |
| L1109161-12 | SB-157 (5-6) | PROVIDENCE, RI | 06/09/11 09:45 |
| L1109161-13 | SB-157 (6-7) | PROVIDENCE, RI | 06/09/11 09:50 |
| L1109161-14 | SB-157 (7-8) | PROVIDENCE, RI | 06/09/11 09:55 |
| L1109161-15 | SB-157 (8-9) | PROVIDENCE, RI | 06/09/11 10:00 |
| L1109161-16 | SB-157 (9-10) | PROVIDENCE, RI | 06/09/11 10:05 |
| L1109161-17 | SB-161 (3-4) | PROVIDENCE, RI | 06/09/11 10:35 |
| L1109161-18 | SB-167 (0-1) | PROVIDENCE, RI | 06/09/11 11:20 |
| L1109161-19 | SB-167 (1-2) | PROVIDENCE, RI | 06/09/11 11:25 |
| L1109161-20 | SB-166 (0-1) | PROVIDENCE, RI | 06/09/11 14:20 |
| L1109161-21 | SB-166 (1-2) | PROVIDENCE, RI | 06/09/11 14:21 |
| L1109161-22 | SB-166 (2-3) | PROVIDENCE, RI | 06/09/11 14:22 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1109161
**Project Number:** C569-000 **Report Date:** 07/06/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCBs

L1109161-05, -06 and -21 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L1109161-05, -06 and -21 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

The surrogate recoveries for L1109161-17 were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (12%/19%) and Decachlorobiphenyl (12%/16%); however, the criteria were achieved upon re-extraction outside of holding time. The results of both extractions are reported.

The surrogate recoveries for L1109161-20 were below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (4%/4%) and Decachlorobiphenyl (7%/6%); however, re-extraction achieved similar results of 2,4,5,6-Tetrachloro-m-xylene (21%/22%). The results of both extractions are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative Date: 07/06/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-01 | Date Collected: | 06/09/11 10:10 |
| Client ID: | SB-157 (10-11) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 13:30 |
| Analytical Date: | 06/27/11 19:29 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1248 | 144 | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1254 | 82.2 | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-02 | Date Collected: | 06/09/11 10:15 |
| Client ID: | SB-157 (11-12) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 13:30 |
| Analytical Date: | 06/27/11 15:48 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 81% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 41.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 41.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 41.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 41.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 41.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 41.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 41.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 41.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 41.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 95 | | 30-150 |
| Decachlorobiphenyl | 106 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1109161
**Project Number:** C569-000
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-03 | Date Collected: | 06/09/11 11:55 |
| Client ID: | SB-154 (8-9) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 13:30 |
| Analytical Date: | 06/27/11 16:00 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-03 | Date Collected: | 06/09/11 11:55 |
| Client ID: | SB-154 (8-9) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 13:30 |
| Analytical Date: | 06/27/11 16:00 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 661 | | ug/kg | 39.6 | -- | 1 |
| Aroclor 1254 | 246 | | ug/kg | 39.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1109161
**Project Number:** C569-000
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-04 | Date Collected: | 06/09/11 12:00 |
| Client ID: | SB-154 (9-10) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 13:30 |
| Analytical Date: | 06/27/11 16:12 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1109161
**Project Number:** C569-000
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-04 | Date Collected: | 06/09/11 12:00 |
| Client ID: | SB-154 (9-10) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 13:30 |
| Analytical Date: | 06/27/11 16:12 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 96.1 | | ug/kg | 38.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1109161
**Project Number:** C569-000
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1109161-05 | D | Date Collected: | 06/09/11 12:05 |
| Client ID: | SB-154 (10-11) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/23/11 13:30 |
| Analytical Date: | 07/01/11 10:48 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 78% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 429 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 429 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 429 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 429 | -- | 10 |
| Aroclor 1254 | 1430 | | ug/kg | 429 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 429 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 429 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 429 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1109161

**Project Number:** C569-000 **Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1109161-05 | D | Date Collected: | 06/09/11 12:05 |
| Client ID: | SB-154 (10-11) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/23/11 13:30 |
| Analytical Date: | 07/01/11 10:48 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 78% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 4750 | | ug/kg | 429 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1109161

**Project Number:** C569-000 **Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1109161-06 | D | Date Collected: | 06/09/11 12:10 |
| Client ID: | SB-154 (11-12) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 07/01/11 11:02 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 394 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 394 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 394 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 394 | -- | 10 |
| Aroclor 1254 | 1280 | | ug/kg | 394 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 394 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 394 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 394 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1109161

**Project Number:** C569-000 **Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1109161-06 | D | Date Collected: | 06/09/11 12:10 |
| Client ID: | SB-154 (11-12) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 07/01/11 11:02 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 84% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 4100 | | ug/kg | 394 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1109161
**Project Number:** C569-000
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-07 | Date Collected: | 06/09/11 12:55 |
| Client ID: | SB-156 (8-9) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 16:49 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 56 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 82 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1109161
**Project Number:** C569-000
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-07 | Date Collected: | 06/09/11 12:55 |
| Client ID: | SB-156 (8-9) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 16:49 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 63.6 | | ug/kg | 37.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 56 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 82 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1109161
**Project Number:** C569-000
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-08 | Date Collected: | 06/09/11 13:00 |
| Client ID: | SB-156 (9-10) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 17:01 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1109161
**Project Number:** C569-000
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-08 | Date Collected: | 06/09/11 13:00 |
| Client ID: | SB-156 (9-10) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 17:01 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 53.2 | | ug/kg | 38.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-09 | Date Collected: | 06/09/11 13:05 |
| Client ID: | SB-156 (10-11) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 17:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 39.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 39.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 37 | | 30-150 |
| Decachlorobiphenyl | 36 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 45 | | 30-150 |
| Decachlorobiphenyl | 43 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-10 | Date Collected: | 06/09/11 13:10 |
| Client ID: | SB-156 (11-12) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 17:26 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 82% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 40.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 40.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 40.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 40.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 40.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 40.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 40.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 40.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 51 | | 30-150 |
| Decachlorobiphenyl | 55 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1109161
**Project Number:** C569-000
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-11 | Date Collected: | 06/09/11 09:40 |
| Client ID: | SB-157 (4-5) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 17:38 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 30-150 |
| Decachlorobiphenyl | 63 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-12 | Date Collected: | 06/09/11 09:45 |
| Client ID: | SB-157 (5-6) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 17:51 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 63 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-13 | Date Collected: | 06/09/11 09:50 |
| Client ID: | SB-157 (6-7) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 18:03 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 30-150 |
| Decachlorobiphenyl | 53 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1109161
**Project Number:** C569-000
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-14 | Date Collected: | 06/09/11 09:55 |
| Client ID: | SB-157 (7-8) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 18:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 39 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 50 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1109161
**Project Number:** C569-000
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-14 | Date Collected: | 06/09/11 09:55 |
| Client ID: | SB-157 (7-8) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 18:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 228 | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1254 | 80.0 | | ug/kg | 38.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 39 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 50 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-15 | Date Collected: | 06/09/11 10:00 |
| Client ID: | SB-157 (8-9) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 18:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.8 | -- | 1 |
| Aroclor 1254 | 67.9 | | ug/kg | 37.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 90 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1109161
**Project Number:** C569-000
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-15 | Date Collected: | 06/09/11 10:00 |
| Client ID: | SB-157 (8-9) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 18:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 192 | | ug/kg | 37.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 90 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1109161
**Project Number:** C569-000
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-16 | Date Collected: | 06/09/11 10:05 |
| Client ID: | SB-157 (9-10) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 18:40 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-16 | Date Collected: | 06/09/11 10:05 |
| Client ID: | SB-157 (9-10) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 18:40 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 123 | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1254 | 41.8 | | ug/kg | 37.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-17 | Date Collected: | 06/09/11 10:35 |
| Client ID: | SB-161 (3-4) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 18:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **12** | Q | 30-150 |
| Decachlorobiphenyl | **12** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **19** | Q | 30-150 |
| Decachlorobiphenyl | **16** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1109161

**Project Number:** C569-000 **Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1109161-17 | RE | Date Collected: | 06/09/11 10:35 |
| Client ID: | SB-161 (3-4) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 07/01/11 03:25 |
| Analytical Date: | 07/03/11 15:20 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 07/02/11 |
| Percent Solids: | 95% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 07/02/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 |
| Decachlorobiphenyl | 56 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-18 | Date Collected: | 06/09/11 11:20 |
| Client ID: | SB-167 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 19:04 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 99 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 |
| Decachlorobiphenyl | 124 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1109161
**Project Number:** C569-000
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-18 | Date Collected: | 06/09/11 11:20 |
| Client ID: | SB-167 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 19:04 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 748 | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1254 | 888 | | ug/kg | 36.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 99 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 |
| Decachlorobiphenyl | 124 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-19 | Date Collected: | 06/09/11 11:25 |
| Client ID: | SB-167 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 19:17 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1248 | 132 | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 110 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-19 | Date Collected: | 06/09/11 11:25 |
| Client ID: | SB-167 (1-2) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 19:17 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 110 | | ug/kg | 36.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 110 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-20 | Date Collected: | 06/09/11 14:20 |
| Client ID: | SB-166 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 15:35 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **4** | Q | 30-150 |
| Decachlorobiphenyl | **7** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **4** | Q | 30-150 |
| Decachlorobiphenyl | **6** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1109161
**Project Number:** C569-000
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-20 | Date Collected: | 06/09/11 14:20 |
| Client ID: | SB-166 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 15:40 |
| Analytical Date: | 06/27/11 15:35 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 122 | | ug/kg | 36.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **4** | Q | 30-150 |
| Decachlorobiphenyl | **7** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **4** | Q | 30-150 |
| Decachlorobiphenyl | **6** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1109161

**Project Number:** C569-000 **Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1109161-20 | RE | Date Collected: | 06/09/11 14:20 |
| Client ID: | SB-166 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 07/02/11 01:14 |
| Analytical Date: | 07/06/11 00:27 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 07/03/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 07/03/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **21** | Q | 30-150 |
| Decachlorobiphenyl | 37 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **22** | Q | 30-150 |
| Decachlorobiphenyl | 36 | | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1109161

**Project Number:** C569-000 **Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1109161-20 | RE | Date Collected: | 06/09/11 14:20 |
| Client ID: | SB-166 (0-1) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 07/02/11 01:14 |
| Analytical Date: | 07/06/11 00:27 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 07/03/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 07/03/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 386 | | ug/kg | 36.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **21** | Q | 30-150 |
| Decachlorobiphenyl | 37 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **22** | Q | 30-150 |
| Decachlorobiphenyl | 36 | | 30-150 |

**Project Name:** MCALLISTER-PVD **Lab Number:** L1109161

**Project Number:** C569-000 **Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1109161-21 | D | Date Collected: | 06/09/11 14:21 |
| Client ID: | SB-166 (1-2) | | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 06/23/11 13:30 |
| Analytical Date: | 07/06/11 14:27 | | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 374 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 374 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 374 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 374 | -- | 10 |
| Aroclor 1248 | 2130 | | ug/kg | 374 | -- | 10 |
| Aroclor 1254 | ND | | ug/kg | 374 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 374 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 374 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 374 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000
**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109161-22 | Date Collected: | 06/09/11 14:22 |
| Client ID: | SB-166 (2-3) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/23/11 13:30 |
| Analytical Date: | 06/30/11 06:40 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 06/27/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 06/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1254 | 167 | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 86 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 |
| Decachlorobiphenyl | 85 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/27/11 14:46
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 06/23/11 13:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/27/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/27/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-16,18-20 Batch: WG474936-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.2 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.2 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 114 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |

**Project Name:** MCALLISTER-PVD

**Project Number:** C569-000

**Lab Number:** L1109161

**Report Date:** 07/06/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/30/11 05:51
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 06/23/11 13:27
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/27/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/27/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 21-22 Batch: WG474938-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 50 | | 30-150 |
| Decachlorobiphenyl | 58 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 |
| Decachlorobiphenyl | 53 | | 30-150 |

**Project Name:** MCALLISTER-PVD

**Project Number:** C569-000

**Lab Number:** L1109161

**Report Date:** 07/06/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 07/03/11 14:40
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 07/01/11 03:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 07/02/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 07/02/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 17 Batch: WG476510-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 |
| Decachlorobiphenyl | 51 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 58 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-16,18-20 Batch: WG474936-2 WG474936-3 | | | | | | | | |
| Aroclor 1016 | 63 | | 74 | | 40-140 | 16 | | 50 |
| Aroclor 1260 | 68 | | 82 | | 40-140 | 19 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 62 | | 30-150 |
| Decachlorobiphenyl | 55 | | 68 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 98 | | 30-150 |
| Decachlorobiphenyl | 81 | | 85 | | 30-150 |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 21-22 Batch: WG474938-2 WG474938-3 | | | | | | | | |
| Aroclor 1016 | 110 | | 101 | | 40-140 | 9 | | 50 |
| Aroclor 1260 | 88 | | 86 | | 40-140 | 2 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 70 | | 30-150 |
| Decachlorobiphenyl | 84 | | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 107 | | 86 | | 30-150 |
| Decachlorobiphenyl | 100 | | 79 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER-PVD

**Project Number:** C569-000

**Lab Number:** L1109161

**Report Date:** 07/06/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 17 Batch: WG476510-2 WG476510-3 | | | | | | | | |
| Aroclor 1016 | 68 | | 83 | | 40-140 | 20 | | 50 |
| Aroclor 1260 | 58 | | 79 | | 40-140 | 31 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 72 | | 30-150 |
| Decachlorobiphenyl | 45 | | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 76 | | 30-150 |
| Decachlorobiphenyl | 48 | | 64 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-01
Client ID: SB-157 (10-11)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 10:10
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 06/24/11 22:25 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-02
Client ID: SB-157 (11-12)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 10:15
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 81 | | % | 0.10 | NA | 1 | - | 06/24/11 22:25 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-03
Client ID: SB-154 (8-9)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 11:55
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 06/24/11 22:25 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-04
Client ID: SB-154 (9-10)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 12:00
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 06/24/11 22:25 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-05
Client ID: SB-154 (10-11)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 12:05
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 78 | | % | 0.10 | NA | 1 | - | 06/25/11 00:10 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-06
Client ID: SB-154 (11-12)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 12:10
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 06/25/11 00:10 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-07
Client ID: SB-156 (8-9)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 12:55
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/25/11 00:10 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-08
Client ID: SB-156 (9-10)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 13:00
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 06/25/11 00:10 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-09
Client ID: SB-156 (10-11)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 13:05
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 06/25/11 00:10 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-10
Client ID: SB-156 (11-12)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 13:10
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | NA | 1 | - | 06/25/11 00:10 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-11
Client ID: SB-157 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 09:40
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 06/25/11 00:10 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-12
Client ID: SB-157 (5-6)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 09:45
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 06/25/11 00:10 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-13
Client ID: SB-157 (6-7)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 09:50
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 06/25/11 00:10 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-14
Client ID: SB-157 (7-8)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 09:55
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 06/25/11 00:10 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-15
Client ID: SB-157 (8-9)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 10:00
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 06/25/11 00:10 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-16
Client ID: SB-157 (9-10)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 10:05
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 06/25/11 00:10 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-17
Client ID: SB-161 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 10:35
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 06/25/11 00:10 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-18
Client ID: SB-167 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 11:20
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 06/25/11 00:10 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-19
Client ID: SB-167 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 11:25
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 06/25/11 00:10 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-20
Client ID: SB-166 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 14:20
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 06/25/11 00:10 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-21
Client ID: SB-166 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 14:21
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 06/25/11 00:10 | 30,2540G | RD |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## SAMPLE RESULTS

Lab ID: L1109161-22
Client ID: SB-166 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 14:22
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 06/25/11 00:10 | 30,2540G | RD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG475281-1 QC Sample: L1109154-01 Client ID: DUP Sample | | | | | | |
| Solids, Total | 90 | 90 | % | 0 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 05-22 QC Batch ID: WG475292-1 QC Sample: L1109161-22 Client ID: SB-166 (2-3) | | | | | | |
| Solids, Total | 96 | 96 | % | 0 | | 20 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109161
**Report Date:** 07/06/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1109161-01A | Glass 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-02A | Glass 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-03A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-04A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-05A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-06A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-07A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-08A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-09A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-10A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-11A | Glass 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-12A | Glass 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-13A | Glass 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-14A | Glass 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-15A | Glass 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-16A | Glass 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-17A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-18A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-19A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-20A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-21A | Amber 250ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1109161-22A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1109161 |
| **Project Number:** | C569-000 | **Report Date:** | 07/06/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1109161 |
| **Project Number:** | C569-000 | **Report Date:** | 07/06/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1109161 |
| **Project Number:** | C569-000 | **Report Date:** | 07/06/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised June 7, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil (*Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2)

*Non-Potable Water* (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,**

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

L1109161

# CHAIN OF CUSTODY

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ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1108233

**Client Information**

Client:

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/29/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples).

ANALYSIS: PCB's w/ SOX; Matrix Spike; Matrix Sp. Dup.

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's w/ SOX | Matrix Spike | Matrix Sp. Dup. | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|
| ~~08233~~ 1 | SB-157 (10-11) | 6-9-11 | 1010 | S | JDA | X | | | ~~HOLD~~ |
| 09161 2 | SB-157 (11-12) | | 1015 | | | X | | | ~~HOLD~~ |
| 3 | SB-5157 (3-4) | | 936 | | | X | | | |
| 4 | SB-161 (0-1) | | 1020 | | | X | | | |
| 5 | SB-161 (1-2) | | 1025 | | | X | | | |
| 6 | SB-161 (2-3) | | 1030 | | | X | | | |
| 6 | SB-161 (2-3) MS | | 1031 | | | | X | | |
| 6 | SB-161 (2-3) MSD | | ~~1032~~ 1032 | | | | X | | |
| 7 | SB-161 (5-6) | | 1045 | | | X | | | ~~HOLD~~ |
| 8 | SB-161 (6-7) | | 1050 | | | X | | | ~~HOLD~~ |

Container Type

Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 6/9/11 1500 | | 6/9/11 1530 |
| | 6/9/11 1550 | | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

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# CHAIN OF CUSTODY

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Date Rec'd in Lab: 6/9/11

ALPHA Job #: ~~L1108233~~


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: ESS Group, Inc.
Address: 401 Wampanoag Trl. Suite 400
Phone: 401 330 1218
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: Mc Allister - PVD
Project Location:
Project #: C569-000
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

~~☒~~ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 6/29/11 ~~6/10/11~~ Time:

**Report Information - Data Deliverables**

☐ FAX ~~☒~~ EMAIL
~~☒~~ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RIDEM Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: ~~PCB's w/ 5ux~~ ~~Matrix Spike~~ ~~Matrix Spike Dup~~

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|
| 09 | SB-167 (3-4) | 6-9-11 | 1135 | S | SDA | ~~HOLD~~ | |
| 10 | SB-154 (5-6) | | 1140 | | | | |
| 11 | SB-154 (6-7) | | 1145 | | | | |
| 12 | SB-154 (7-8) | | 1150 | | | | |
| 09161 3 13 | SB-154 (8-9) | | 1155 | | | ~~HOLD~~ | |
| 4 14 | SB-154 (9-10) | | 1200 | | | ~~HOLD~~ | |
| 5 15 | SB-154 (10-11) | | 1205 | | | ~~HOLD~~ | |
| 6 16 | SB-154 (11-12) | | 1210 | | | ~~HOLD~~ | |
| 17 | SB-154 (5-6) MS | | 1141 | | | | |
| 18 | SB-154 (5-6) MSD | | 1142 | | | | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 6/9/11 1520 | [signature] | 6/9/11 1520 |
| [signature] | 6/9/11 1752 | [signature] | 6/9/11 1752 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

L1109161

# CHAIN OF CUSTODY

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Date Rec'd in Lab: 6/9/11

ALPHA Job #: ~~L1108234~~

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group, Inc

Address: 401 Wampanoag Suite 400

Phone: 401 330 1251

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:

Project Location:

Project #: C569-000

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/29/11 ~~6/16/11~~ Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY — CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**

*Filtration*

☐ Done

☐ Not needed

☐ Lab to do

*Preservation*

☐ Lab to do

(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB's w/ SOX | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| ~~08231~~ 1 | SB-5154 (7-8) | 6-9-11 | 1151 | | | X | | |
| 2 | SB-156 (0-1) | | 1215 | | | X | | |
| 3 | SB-156 (1-2) | | 1220 | | | X | | |
| 4 | SB-156 (2-3) | | 1225 | | | X | | |
| 5 | SB-156 (3-4) | | 1230 | | | X | | |
| 6 | SB-156 (4-5) | | 1235 | | | X | | |
| 7 | SB-156 (5-6) | | 1240 | | | X | | |
| 8 | SB-156 (6-7) | | 1245 | | | X | | |
| 9 | SB-156 (7-8) | | 1250 | | | X | | |
| 09161 7 10 | SB-156 (8-9) | | 1255 | | | X | ~~HOLD~~ | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type

Preservative

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 6/9/11 1750 | [signature] | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

L1109161

# CHAIN OF CUSTODY

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Date Rec'd in Lab: 6/9/11

ALPHA Job #: L1109234

ALPHA TECHNICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group Inc

Address: 401 Wampanoag trail #400 E. Providence, RI 02915

Phone: 401-330-1218

Fax: 401-434-8158

Email: klundy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister

Project Location: E. Providence

Project #: C569-000

Project Manager: Kevin Lundy

ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/29/11 ~~6/16/11~~ Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☒ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RIDEM Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☒ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/ SAK

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|
| 1109161.8 L1109234 | SB-156 (9-10) | 6-9-11 | 1300 | S | SDA | X | ~~Hold~~ |
| 9 12 | SB-156 (10-11) | | 1305 | | | X | ~~Hold~~ |
| 10 13 | SB-156 (11-12) | | 1310 | | | X | ~~Hold~~ |
| 11 | SB-160 (0-1) | | 1315 | | | X | |
| 12 | SB-160 (1-2) | | 1320 | | | X | |
| 13 | SB-160 (2-3) | | 1325 | | | X | |
| 14 | SB-160 (3-4) | | 1330 | | | X | |
| 15 | SB-160 (4-5) | | 1335 | | | X | |
| 16 | SB-160 (5-6) | | 1340 | | | X | |
| 17 | SB-160 (6-7) | | 1345 | | | X | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type

Preservative

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 6/9/11 1550 | | 6/9/11 1550 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

L1109161

# CHAIN OF CUSTODY

PAGE 3 OF 11

Date Rec'd in Lab: 6/9/11

ALPHA Job #: ~~L1108232~~

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client:

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/29/11 ~~6/16/11~~ Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS PCB -Sox | | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|
| ~~08232~~ 1 | SB-157 (0-1) | 6-9-11 | 920 | | | X | MS 6/13/11 | Sox Extraction | |
| 2 | SB-157 (1-2) | | 925 | | | X | | | |
| 3 | SB-157 (2-3) | | 930 | | | X | | | |
| 4 | SB-157 (3-4) | | 935 | | | X | | | |
| 09161. 11 5 | SB-157 (4-5) | | 940 | | | X | | ~~HOLD~~ | |
| 12 6 | SB-157 (5-6) | | 945 | | | X | | HOLD | |
| 13 7 | SB-157 (6-7) | | 950 | | | X | | ~~HOLD~~ | |
| 14 8 | SB-157 (7-8) | | 955 | | | X | | ~~HOLD~~ | |
| 15 9 | SB-157 (8-9) | | 1000 | | | X | | ~~HOLD~~ | |
| 16 10 | SB-157 (9-10) | | 1005 | | | X | | ~~HOLD~~ | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type

Preservative

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 6/9/11 1500 | [signature] | 6/9/11 1500 |
| [signature] | 6/9/11 1750 | [signature] | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

L1109161

# CHAIN OF CUSTODY

PAGE 4 OF 11

Date Rec'd In Lab: 6/9/11

ALPHA Job #: ~~L1108232~~

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client:

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/29/11 ~~6/10/11~~ Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS PCB's w/50X | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| ~~08232~~ 09161 ~~11~~ | SB-161 (3-4) | 6-9-11 | 1035 | S | JDA | X | ~~HOLD~~ | |
| ~~12~~ | SB-161 (4-5) | | 1040 | | | X | ~~HOLD~~ | |
| ~~13~~ | SB-161 (7-8) | | 1055 | | | X | ~~HOLD~~ | |
| ~~14~~ | SB-165 (0-1) | | 1100 | | | X | ~~HOLD~~ | |
| ~~15~~ | SB-165 (1-2) | | 1105 | | | X | | |
| ~~16~~ | SB-165 (2-3) | | 1110 | | | X | | |
| ~~17~~ | SB-165 (3-4) | | 1115 | | | X | ~~HOLD~~ | |
| 18 | SB-167 (0-1) | | 1120 | | | X | ~~HOLD~~ | |
| 19 | SB-167 (1-2) | | 1125 | | | X | ~~HOLD~~ | |
| 20 | SB-167 (2-3) | | 1130 | | | X | ~~HOLD~~ | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| | |
|---|---|
| Container Type | |
| Preservative | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 6/9/11 1500 6/9/11 1750 | [signature] | 6/9/11 1500 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

L1109161

# CHAIN OF CUSTODY

PAGE 10 OF 11

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/9/11

ALPHA Job #: ~~L1109175~~

**Client Information**
Client:
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**
Project Name:
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**
☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 6/29/11 ~~6/10/11~~ Time:

**Report Information - Data Deliverables**
☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

**Billing Information**
☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**
State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**
☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/ soil; ~~Matrix Spike~~; ~~Matrix Spike Dup.~~

**SAMPLE HANDLING**
*Filtration*
☐ Done ☐ Not needed ☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | Sample Specific Comments |
|---|---|---|---|---|---|---|
| ~~61225~~ | SB-164 (4-5) | 6-9-11 | 1414 | S | SDA | ~~HOLD~~ |
| 11 | SB-164 (4-5) MS | | 1414 | | | HOLD |
| 12 | SB-164 (4-5) MSD | | 1414 | | | HOLD |
| 13 | SB-164 (5-6) | | 1415 | | | ~~HOLD~~ |
| 14 | SB-164 (6-7) | | ~~1416~~ 1416 | | | ~~HOLD~~ |
| 15 | SB-164 (7-8) | | 1417 | | | ~~HOLD~~ |
| 16 | SB-5164 (7-8) | | 1418 | | | ~~HOLD~~ |
| 20 17 | SB-166 (0-1) | | 1420 | | | ~~HOLD~~ |
| 21 18 | SB-166 (1-2) | | 1421 | | | ~~HOLD~~ |
| 22 19 | SB-166 (2-3) | | 1422 | | | ~~HOLD~~ |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

FORM NO: 01-01 (rev. 18-Jan-2010)

Container Type
Preservative

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 6/9/11 1750 | | 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1109549 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C569-001.3 |
| Report Date: | 07/19/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C569-001.3

**Lab Number:** L1109549
**Report Date:** 07/19/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1109549-01 | CS-01 | INDIA STREET | 06/27/11 13:00 |
| L1109549-02 | CS-02 | INDIA STREET | 06/27/11 13:20 |

**Project Name:** MCALLISTER
**Project Number:** C569-001.3

**Lab Number:** L1109549
**Report Date:** 07/19/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCBs

The surrogate recoveries for L1109549-01 were below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (17%/18%) and Decachlorobiphenyl (19%/21%); however, the criteria were achieved upon re-extraction outside of holding time. The results of both extractions are reported.

L1109549-02 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by matrix of the sample.

The surrogate recoveries for L1109549-02 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L1109549-01RE and -02RE have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

The surrogate recoveries for L1109549-02RE were outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-

**Project Name:** MCALLISTER **Lab Number:** L1109549
**Project Number:** C569-001.3 **Report Date:** 07/19/11

**Case Narrative (continued)**

xylene (23%/19%) and Decachlorobiphenyl (10%/11%) on the re-extraction. The results of both extractions are reported.

The WG476777-1 Method Blank, associated with L1109549-01 and -02, has a concentration above the reporting limit for Aroclor 1254; however, the criteria was achieved upon re-extraction outside of holding time. The results of both extractions are reported. The results of the original analysis are reported and are qualified with a "B" for any associated sample concentrations that are less than 5x the blank concentration for this analyte.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 07/19/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C569-001.3
**Lab Number:** L1109549
**Report Date:** 07/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109549-01 | Date Collected: | 06/27/11 13:00 |
| Client ID: | CS-01 | Date Received: | 06/28/11 |
| Sample Location: | INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Solid | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 07/02/11 12:00 |
| Analytical Date: | 07/06/11 01:40 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 07/04/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 07/04/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 58.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 58.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 58.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 58.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 39.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 19.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 19.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **17** | Q | 30-150 |
| Decachlorobiphenyl | **19** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **18** | Q | 30-150 |
| Decachlorobiphenyl | **21** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-001.3
**Lab Number:** L1109549
**Report Date:** 07/19/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109549-01 | Date Collected: | 06/27/11 13:00 |
| Client ID: | CS-01 | Date Received: | 06/28/11 |
| Sample Location: | INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Solid | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 07/02/11 12:00 |
| Analytical Date: | 07/06/11 01:40 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 07/04/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 07/04/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1254 | 199 | B | ug/kg | 58.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **17** | Q | 30-150 |
| Decachlorobiphenyl | **19** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **18** | Q | 30-150 |
| Decachlorobiphenyl | **21** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-001.3
**Lab Number:** L1109549
**Report Date:** 07/19/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1109549-01 | RE | Date Collected: | 06/27/11 13:00 |
| Client ID: | CS-01 | | Date Received: | 06/28/11 |
| Sample Location: | INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Solid | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 07/13/11 15:10 |
| Analytical Date: | 07/16/11 15:09 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 07/14/11 |
| Percent Solids: | 97% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 07/14/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 274 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 274 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 274 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 274 | -- | 5 |
| Aroclor 1248 | ND | | ug/kg | 183 | -- | 5 |
| Aroclor 1254 | ND | | ug/kg | 274 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 183 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 91.4 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 91.4 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 82 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 86 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-001.3
**Lab Number:** L1109549
**Report Date:** 07/19/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1109549-02 | RE | Date Collected: | 06/27/11 13:20 |
| Client ID: | CS-02 | | Date Received: | 06/28/11 |
| Sample Location: | INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Solid | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 07/14/11 15:45 |
| Analytical Date: | 07/18/11 17:55 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 07/16/11 |
| Percent Solids: | 96% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 07/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 99.3 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 99.3 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 99.3 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 99.3 | -- | 5 |
| Aroclor 1248 | ND | | ug/kg | 66.2 | -- | 5 |
| Aroclor 1254 | ND | | ug/kg | 99.3 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 66.2 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 33.1 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 33.1 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **23** | Q | 30-150 |
| Decachlorobiphenyl | **10** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **19** | Q | 30-150 |
| Decachlorobiphenyl | **11** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-001.3
**Lab Number:** L1109549
**Report Date:** 07/19/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1109549-02 | D | Date Collected: | 06/27/11 13:20 |
| Client ID: | CS-02 | | Date Received: | 06/28/11 |
| Sample Location: | INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Solid | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 07/02/12 12:00 |
| Analytical Date: | 07/13/11 14:17 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 07/04/11 |
| Percent Solids: | 96% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 07/04/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1430 | -- | 25 |
| Aroclor 1221 | ND | | ug/kg | 1430 | -- | 25 |
| Aroclor 1232 | ND | | ug/kg | 1430 | -- | 25 |
| Aroclor 1242 | ND | | ug/kg | 1430 | -- | 25 |
| Aroclor 1248 | ND | | ug/kg | 954 | -- | 25 |
| Aroclor 1254 | ND | | ug/kg | 1430 | -- | 25 |
| Aroclor 1260 | ND | | ug/kg | 954 | -- | 25 |
| Aroclor 1262 | ND | | ug/kg | 477 | -- | 25 |
| Aroclor 1268 | ND | | ug/kg | 477 | -- | 25 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-001.3

**Lab Number:** L1109549
**Report Date:** 07/19/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 07/05/11 20:35
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 07/02/11 12:00
Cleanup Method1: EPA 3665A
Cleanup Date1: 07/04/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 07/04/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-02 Batch: WG476777-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 60.0 | -- |
| Aroclor 1221 | ND | | ug/kg | 60.0 | -- |
| Aroclor 1232 | ND | | ug/kg | 60.0 | -- |
| Aroclor 1242 | ND | | ug/kg | 60.0 | -- |
| Aroclor 1248 | ND | | ug/kg | 40.0 | -- |
| Aroclor 1260 | ND | | ug/kg | 40.0 | -- |
| Aroclor 1262 | ND | | ug/kg | 20.0 | -- |
| Aroclor 1268 | ND | | ug/kg | 20.0 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 72 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C569-001.3

**Lab Number:** L1109549
**Report Date:** 07/19/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 07/05/11 20:35
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 07/02/11 12:00
Cleanup Method1: EPA 3665A
Cleanup Date1: 07/04/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 07/04/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-02 Batch: WG476777-1 | | | | | |
| Aroclor 1254 | 2270 | | ug/kg | 60.0 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 72 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C569-001.3

**Lab Number:** L1109549
**Report Date:** 07/19/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG476777-2 WG476777-3 | | | | | | | | |
| Aroclor 1016 | 80 | | 81 | | 40-140 | 1 | | 50 |
| Aroclor 1260 | 79 | | 87 | | 40-140 | 10 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 74 | | 30-150 |
| Decachlorobiphenyl | 72 | | 70 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 78 | | 30-150 |
| Decachlorobiphenyl | 79 | | 77 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C569-001.3

**Lab Number:** L1109549
**Report Date:** 07/19/11

## SAMPLE RESULTS

Lab ID: L1109549-01
Client ID: CS-01
Sample Location: INDIA STREET
Matrix: Solid

Date Collected: 06/27/11 13:00
Date Received: 06/28/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 07/01/11 09:20 | 30,2540G | JC |

**Project Name:** MCALLISTER
**Project Number:** C569-001.3

**Lab Number:** L1109549
**Report Date:** 07/19/11

## SAMPLE RESULTS

Lab ID: L1109549-02
Client ID: CS-02
Sample Location: INDIA STREET
Matrix: Solid

Date Collected: 06/27/11 13:20
Date Received: 06/28/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 07/01/11 09:20 | 30,2540G | JC |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C569-001.3

**Lab Number:** L1109549
**Report Date:** 07/19/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG476558-1 QC Sample: L1109317-01 Client ID: DUP Sample | | | | | | |
| Solids, Total | 69 | 68 | % | 1 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C569-001.3

**Lab Number:** L1109549
**Report Date:** 07/19/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1109549-01A | Amber 250ml unpreserved | A | N/A | 4 | Y | Absent | TS(7),PCB-8082LL-3540C(14) |
| L1109549-02A | Amber 250ml unpreserved | A | N/A | 4 | Y | Absent | TS(7),PCB-8082LL-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1109549 |
| **Project Number:** | C569-001.3 | **Report Date:** | 07/19/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1109549 |
| **Project Number:** | C569-001.3 | **Report Date:** | 07/19/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1109549 |
| **Project Number:** | C569-001.3 | **Report Date:** | 07/19/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised June 7, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil (*Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2)

*Non-Potable Water* (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,**

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 6/28/11

ALPHA Job #: L1109549


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


## Client Information

Client: ESS Group, Inc.

Address: 401 Wampanoag Tr.l Suite 400

Phone: 401-330-1218

Fax:

Email: kpurdy@essgroup.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: McAllister

Project Location: Indie Street

Project #: C569-001.3

Project Manager: Kevin Purdy

ALPHA Quote #:

## Turn-Around Time

~~Standard~~ ☐ RUSH (only confirmed if pre-approved!)

Date Due: 7/6/11 Time:

## Report Information - Data Deliverables

☐ FAX ~~EMAIL~~

~~ADEx~~ ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ~~☐ No~~ Are MCP Analytical Methods Required?

☐ Yes ~~☐ No~~ Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ~~☐ No~~ Are CT RCP (Reasonable Confidence Protocols) Required?

## Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCBs (8082)

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs (8082) | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 09549.1 | CS-01 | 6-27-11 | 1300 | Soil | JDA | X | (Concrete Dust * Caution *) | |
| 2 | CS-02 | 6-27-11 | 1320 | Soil | JDA | X | (Concrete Dust * Caution *) | |

Container Type: G

Preservative: None

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 6-28-11 6/28/11 1610 | P. Gilbert | 6/28/11 955 6/28/11 725pm |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1109566 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER-PVD |
| Project Number: | C569-000 |
| Report Date: | 07/18/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109566
**Report Date:** 07/18/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1109566-01 | SB-165 (0-1) | PROVIDENCE, RI | 06/09/11 11:00 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109566
**Report Date:** 07/18/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCBs

L1109566-01 was extracted with the method required holding time exceeded, at the client's request.

L1109566-01 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: James C. Todaro

Title: Technical Director/Representative Date: 07/18/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1109566
**Project Number:** C569-000
**Report Date:** 07/18/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109566-01 | Date Collected: | 06/09/11 11:00 |
| Client ID: | SB-165 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/30/11 16:29 |
| Analytical Date: | 07/13/11 12:42 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 07/03/11 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 07/03/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1248 | 818 | | ug/kg | 184 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 184 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 184 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 91 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Lab Number:** L1109566
**Project Number:** C569-000
**Report Date:** 07/18/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1109566-01 | Date Collected: | 06/09/11 11:00 |
| Client ID: | SB-165 (0-1) | Date Received: | 06/09/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 06/30/11 16:29 |
| Analytical Date: | 07/13/11 12:42 | Cleanup Method1: | EPA 3665A |
| Analyst: | SS | Cleanup Date1: | 07/03/11 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 07/03/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 864 | | ug/kg | 184 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 91 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109566
**Report Date:** 07/18/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 07/05/11 20:24
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 06/30/11 16:29
Cleanup Method1: EPA 3665A
Cleanup Date1: 07/03/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 07/03/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01 Batch: WG476305-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 31.8 | -- |
| Aroclor 1221 | ND | | ug/kg | 31.8 | -- |
| Aroclor 1232 | ND | | ug/kg | 31.8 | -- |
| Aroclor 1242 | ND | | ug/kg | 31.8 | -- |
| Aroclor 1248 | ND | | ug/kg | 31.8 | -- |
| Aroclor 1254 | ND | | ug/kg | 31.8 | -- |
| Aroclor 1260 | ND | | ug/kg | 31.8 | -- |
| Aroclor 1262 | ND | | ug/kg | 31.8 | -- |
| Aroclor 1268 | ND | | ug/kg | 31.8 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER-PVD

**Project Number:** C569-000

**Lab Number:** L1109566

**Report Date:** 07/18/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01 Batch: WG476305-2 WG476305-3 | | | | | | | | |
| Aroclor 1016 | 93 | | 98 | | 40-140 | 5 | | 50 |
| Aroclor 1260 | 82 | | 83 | | 40-140 | 1 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 52 | | 75 | | 30-150 |
| Decachlorobiphenyl | 90 | | 84 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 137 | | 30-150 |
| Decachlorobiphenyl | 107 | | 145 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109566
**Report Date:** 07/18/11

## SAMPLE RESULTS

Lab ID: L1109566-01
Client ID: SB-165 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 06/09/11 11:00
Date Received: 06/09/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 06/30/11 21:20 | 30,2540G | RD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109566
**Report Date:** 07/18/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG476449-1 QC Sample: L1109578-03 Client ID: DUP Sample | | | | | | |
| Solids, Total | 91 | 91 | % | 0 | | 20 |

**Project Name:** MCALLISTER-PVD
**Project Number:** C569-000

**Lab Number:** L1109566
**Report Date:** 07/18/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1109566-01A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1109566 |
| **Project Number:** | C569-000 | **Report Date:** | 07/18/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1109566 |
| **Project Number:** | C569-000 | **Report Date:** | 07/18/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER-PVD | **Lab Number:** | L1109566 |
| **Project Number:** | C569-000 | **Report Date:** | 07/18/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised June 7, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil (*Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2)

*Non-Potable Water* (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,**

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

L1109566

# CHAIN OF CUSTODY

PAGE 4 OF 11

Date Rec'd in Lab: 6/9/11

ALPHA Job #: ~~L1108232~~ LT 6/28/11

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client:

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/10/11 Time: 7/6/11

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/ 50x

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's w/ 50x | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| ~~08232~~ 11 | SB-161 (3-4) | 6-9-11 | 1035 | S | JDA | X | ~~HOLD~~ |
| 12 | SB-161 (4-5) | | 1040 | | | X | HOLD |
| 13 | SB-161 (7-8) | | 1055 | | | X | HOLD |
| 09566.01 14 | SB-165 (0-1) | | 1100 | | | X | HOLD |
| 15 | SB-165 (1-2) | | 1105 | | | X | |
| 16 | SB-165 (2-3) | | 1110 | | | X | |
| 17 | SB-165 (3-4) | | 1115 | | | X | HOLD |
| 18 | SB-167 (0-1) | | 1120 | | | X | HOLD |
| 19 | SB-167 (1-2) | | 1125 | | | X | HOLD |
| 20 | SB-167 (2-3) | | 1130 | | | X | HOLD |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type

Preservative

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 6/9/11 1500 6/9/11 1550 | [signature] | 6/9/11 1500 6/9/11 1750 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1111931 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER TOWING |
| Project Number: | C563-001.02 |
| Report Date: | 08/12/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111931
**Report Date:** 08/12/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1111931-01 | SB-194 (0-1') | 1 INDIA ST., PROV. | 08/04/11 08:20 |
| L1111931-02 | SB-194 (1-2') | 1 INDIA ST., PROV. | 08/04/11 08:20 |
| L1111931-03 | SB-194 (2-3') | 1 INDIA ST., PROV. | 08/04/11 08:25 |
| L1111931-04 | SB-194 (3-4') | 1 INDIA ST., PROV. | 08/04/11 08:25 |
| L1111931-05 | SB-189 (0-1') | 1 INDIA ST., PROV. | 08/04/11 08:41 |
| L1111931-06 | SB-189 (1-2') | 1 INDIA ST., PROV. | 08/04/11 08:41 |
| L1111931-07 | SB-189 (2-3') | 1 INDIA ST., PROV. | 08/04/11 08:43 |
| L1111931-08 | SB-189 (3-4') | 1 INDIA ST., PROV. | 08/04/11 08:43 |
| L1111931-09 | SB-186 (0-1') | 1 INDIA ST., PROV. | 08/04/11 08:52 |
| L1111931-10 | SB-186 (1-2') | 1 INDIA ST., PROV. | 08/04/11 08:52 |
| L1111931-11 | SB-186 (2-3') | 1 INDIA ST., PROV. | 08/04/11 08:55 |
| L1111931-12 | SB-186 (3-4') | 1 INDIA ST., PROV. | 08/04/11 08:55 |
| L1111931-13 | SB-183 (0-1') | 1 INDIA ST., PROV. | 08/04/11 09:05 |
| L1111931-14 | SB-183 (1-2') | 1 INDIA ST., PROV. | 08/04/11 09:05 |
| L1111931-15 | SB-183 (2-3') | 1 INDIA ST., PROV. | 08/04/11 09:07 |
| L1111931-16 | SB-183 (3-4') | 1 INDIA ST., PROV. | 08/04/11 09:07 |
| L1111931-17 | SB-182 (0-1') | 1 INDIA ST., PROV. | 08/04/11 09:25 |
| L1111931-18 | SB-182 (1-2') | 1 INDIA ST., PROV. | 08/04/11 09:25 |
| L1111931-19 | SB-182 (2-3') | 1 INDIA ST., PROV. | 08/04/11 09:27 |
| L1111931-20 | SB-182 (3-4') | 1 INDIA ST., PROV. | 08/04/11 09:27 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931
**Project Number:** C563-001.02 **Report Date:** 08/12/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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PCBs

L1111931-05 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

The WG483202-3 LCSD recoveries, associated with L1111931-01, -02, -03, -06, -07, -09, -10, -11, -13, -14, -15, -17, -18 and -19, are below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the LCS, MS and MSD recoveries are within the method criteria. The results of the associated samples are reported. In addition, the associated WG483202-2/-3 LCS/LCSD RPDs are above the acceptance criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%).

The surrogate recoveries for WG483202-3 LCSD, associated with L1111931-01, -02, -03, -06, -07, -09, -10, -11, -13, -14, -15, -17, -18 and -19, are outside the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative Date: 08/12/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111931-01 | Date Collected: | 08/04/11 08:20 |
| Client ID: | SB-194 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 11:47 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1248 | 33.7 | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 31.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 104 | | 30-150 |
| Decachlorobiphenyl | 72 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111931-02 | Date Collected: | 08/04/11 08:20 |
| Client ID: | SB-194 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 12:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 51 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 59 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111931-03 | Date Collected: | 08/04/11 08:25 |
| Client ID: | SB-194 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 12:18 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111931-05 | Date Collected: | 08/04/11 08:41 |
| Client ID: | SB-189 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/10/11 12:50 |
| Analytical Date: | 08/11/11 11:35 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/11/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/11/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1254 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 173 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 113 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 132 | | 30-150 |
| Decachlorobiphenyl | 119 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111931-05 | Date Collected: | 08/04/11 08:41 |
| Client ID: | SB-189 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/10/11 12:50 |
| Analytical Date: | 08/11/11 11:35 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/11/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/11/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 221 | | ug/kg | 173 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 113 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 132 | | 30-150 |
| Decachlorobiphenyl | 119 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111931-06 | Date Collected: | 08/04/11 08:41 |
| Client ID: | SB-189 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 12:51 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 30.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 30.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 30.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 30.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 30.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 30.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 30.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 30.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 30.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 56 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 54 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111931-07 | Date Collected: | 08/04/11 08:43 |
| Client ID: | SB-189 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 13:07 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 32.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 32.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 32.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 32.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 32.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 32.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 32.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 32.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111931-09 | Date Collected: | 08/04/11 08:52 |
| Client ID: | SB-186 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 13:23 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111931-09 | Date Collected: | 08/04/11 08:52 |
| Client ID: | SB-186 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 13:23 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 55.7 | | ug/kg | 34.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111931-10 | Date Collected: | 08/04/11 08:52 |
| Client ID: | SB-186 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 13:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 68 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111931-11 | Date Collected: | 08/04/11 08:55 |
| Client ID: | SB-186 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 13:55 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 66 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111931-13 | Date Collected: | 08/04/11 09:05 |
| Client ID: | SB-183 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 14:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1248 | 42.5 | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 32.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 56 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111931-14 | Date Collected: | 08/04/11 09:05 |
| Client ID: | SB-183 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 14:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 32.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 32.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 32.7 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 32.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 32.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 32.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 32.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 32.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 59 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111931-15 | Date Collected: | 08/04/11 09:07 |
| Client ID: | SB-183 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 14:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 32.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 58 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 58 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111931-17 | Date Collected: | 08/04/11 09:25 |
| Client ID: | SB-182 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 15:00 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 99% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 51 | | 30-150 |
| Decachlorobiphenyl | 44 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 |
| Decachlorobiphenyl | 44 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111931-18 | Date Collected: | 08/04/11 09:25 |
| Client ID: | SB-182 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 15:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 32.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 32.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 32.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 32.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 32.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 32.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 32.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 32.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 54 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 54 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111931-19 | Date Collected: | 08/04/11 09:27 |
| Client ID: | SB-182 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 15:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 31.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 31.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 31.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 31.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 31.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 31.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 31.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 31.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 31.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 |
| Decachlorobiphenyl | 54 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 55 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 08/08/11 16:20
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 08/06/11 07:40
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/07/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/07/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-03,06-07,09-11,13-15,17-19 Batch: WG483202-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 |
| Decachlorobiphenyl | 64 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 58 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111931

**Project Number:** C563-001.02 **Report Date:** 08/12/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 08/11/11 11:51
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 08/10/11 12:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/11/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/11/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 05 Batch: WG483947-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 74 | | 30-150 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111931
**Report Date:** 08/12/11

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-03,06-07,09-11,13-15,17-19 QC Batch ID: WG483202-4 WG483202-5 QC Sample: L1111932-03 Client ID: MS Sample | | | | | | | | | | | | |
| Aroclor 1016 | ND | 203 | 103 | 51 | | 141 | 66 | | 40-140 | 31 | | 50 |
| Aroclor 1260 | ND | 203 | 83.9 | 41 | | 106 | 50 | | 40-140 | 23 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 64 | | 30-150 |
| Decachlorobiphenyl | 47 | | 53 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 72 | | 30-150 |
| Decachlorobiphenyl | 54 | | 58 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER TOWING

**Project Number:** C563-001.02

**Lab Number:** L1111931

**Report Date:** 08/12/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-03,06-07,09-11,13-15,17-19 Batch: WG483202-2 WG483202-3 | | | | | | | | |
| Aroclor 1016 | 90 | | **3** | Q | 40-140 | **185** | Q | 50 |
| Aroclor 1260 | 78 | | **7** | Q | 40-140 | **165** | Q | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 1 | Q | 30-150 |
| Decachlorobiphenyl | 74 | | 9 | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 2 | Q | 30-150 |
| Decachlorobiphenyl | 67 | | 8 | Q | 30-150 |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 05 Batch: WG483947-2 WG483947-3 | | | | | | | | |
| Aroclor 1016 | 58 | | 97 | | 40-140 | 50 | | 50 |
| Aroclor 1260 | 59 | | 98 | | 40-140 | 50 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 43 | | 89 | | 30-150 |
| Decachlorobiphenyl | 46 | | 86 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 46 | | 90 | | 30-150 |
| Decachlorobiphenyl | 45 | | 85 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111931
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111931-01
Client ID: SB-194 (0-1')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 08:20
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 08/09/11 11:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111931
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111931-02
Client ID: SB-194 (1-2')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 08:20
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 08/09/11 11:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111931
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111931-03
Client ID: SB-194 (2-3')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 08:25
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 08/09/11 11:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111931
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111931-05
Client ID: SB-189 (0-1')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 08:41
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 08/09/11 11:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111931
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111931-06
Client ID: SB-189 (1-2')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 08:41
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/09/11 11:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111931
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111931-07
Client ID: SB-189 (2-3')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 08:43
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 08/09/11 11:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111931
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111931-09
Client ID: SB-186 (0-1')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 08:52
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 08/09/11 11:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111931
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111931-10
Client ID: SB-186 (1-2')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 08:52
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 08/09/11 14:44 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111931
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111931-11
Client ID: SB-186 (2-3')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 08:55
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 08/09/11 14:44 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111931
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111931-13
Client ID: SB-183 (0-1')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 09:05
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 08/09/11 14:44 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111931
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111931-14
Client ID: SB-183 (1-2')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 09:05
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/09/11 14:44 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111931
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111931-15
Client ID: SB-183 (2-3')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 09:07
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 08/09/11 14:44 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111931
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111931-17
Client ID: SB-182 (0-1')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 09:25
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 99 | | % | 0.10 | NA | 1 | - | 08/09/11 14:44 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111931
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111931-18
Client ID: SB-182 (1-2')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 09:25
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 08/09/11 14:44 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111931
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111931-19
Client ID: SB-182 (2-3')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 09:27
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/09/11 14:44 | 30,2540G | MD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111931
**Report Date:** 08/12/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-03,05-07,09 QC Batch ID: WG483600-1 QC Sample: L1112011-05 Client ID: DUP Sample | | | | | | |
| Solids, Total | 85 | 86 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 10-11,13-15,17-19 QC Batch ID: WG483634-1 QC Sample: L1111932-03 Client ID: DUP Sample | | | | | | |
| Solids, Total | 97 | 97 | % | 0 | | 20 |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111931
**Report Date:** 08/12/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1111931-01A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111931-02A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111931-03A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111931-04A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111931-05A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111931-06A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111931-07A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111931-08A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111931-09A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111931-10A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111931-11A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111931-12A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111931-13A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111931-14A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111931-15A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111931-16A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111931-17A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111931-18A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111931-19A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111931-20A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111931 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

## GLOSSARY

### *Acronyms*

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### *Footnotes*

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111931 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111931 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised July 28, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 1 OF 14

ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 8/5/11

ALPHA Job #: L1111931

**Client Information**

Client: ESS GROUP
Address: 401 WAMPANOAG TRAIL #400
EAST PROVIDENCE, RI
Phone: 401-434-5560
Fax: 401-434-8158
Email: KPURDY@ESSGROUP.COM

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister Towing
Project Location: 1 India St. Prov.
Project #: C563-001.02
Project Manager: K. Purdy
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
5 DAYS FIRM
Date Due: 8/12/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program TSCA/RIDEM Criteria RIDEM ROEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB w/SOX EXTRACTION

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB w/SOX EXTRACTION | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 1111931 1 | SB-194 (0-1') | 8/4/11 | 0820 | S | MP | X | |
| 2 | SB-194 (1-2') | 8/4/11 | 0820 | S | MP | X | |
| 3 | SB-194 (2-3') | 8/4/11 | 0825 | S | MP | X | |
| 4 | SB-194 (3-4') | 8/4/11 | 0825 | S | MP | X | HOLD |
| 5 | SB-189 (0-1') | 8/4/11 | 0841 | S | MP | X | |
| 6 | SB-189 (1-2') | 8/4/11 | 0841 | S | MP | X | |
| 7 | SB-189 (2-3') | 8/4/11 | 0843 | S | MP | X | |
| 8 | SB-189 (3-4') | 8/4/11 | 0843 | S | MP | X | HOLD |
| 9 | SB-186 (0-1') | 8/4/11 | 0852 | S | MP | X | |
| 10 | SB-186 (1-2') | 8/4/11 | 0852 | S | MP | X | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

| | | | |
|---|---|---|---|
| Container Type | A | ● | ● |
| Preservative | A | ● | ● |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Emma Sherrill | 3pm 8/5/11 | [signature] | 8/5/11 1501 |
| [signature] | 8/5/11 1731 | [signature] | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 2 OF 14

ALPHA TECHNICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 8/5/11

ALPHA Job #: L1111931

## Client Information

Client: ESS GROUP, INC.
Address: 401 WAMPANOAG TRAIL #400
E. PROVIDENCE, RI 02914
Phone: 401-434-5560
Fax: 401-434-8158
Email: KPUROY@ESSGROUP.COM

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: MCALLISTER TOWING
Project Location: 1 INDIA ST. PROV
Project #: C563-001.02
Project Manager: K. PUROY
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
5 DAYS FIRM
Date Due: 8/12/11 Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program TSCA / RIDEM Criteria RIDEM RDEC

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

## Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB w/SOX EXTRACTION

**SAMPLE HANDLING**
*Filtration*
☐ Done ☐ Not needed ☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB w/SOX EXTRACTION | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 1931-11 | SB-186 (2-3') | 8/4/11 | 0855 | S | MP | X | | |
| 12 | SB-186 (3-4') | | 0855 | S | MP | X | HOLD | |
| 13 | SB-183 (0-1') | | 0905 | S | MP | X | | |
| 14 | SB-183 (1-2') | | 0905 | S | MP | X | | |
| 15 | SB-183 (2-3') | | 0907 | S | MP | X | | |
| 16 | SB-183 (3-4') | | 0907 | S | MP | X | HOLD | |
| 17 | SB-182 (0-1') | | 0925 | S | MP | X | | |
| 18 | SB-182 (1-2') | | 0925 | S | MP | X | | |
| 19 | SB-182 (2-3') | | 0927 | S | MP | X | | |
| 20 | SB-182 (3-4') | | 0927 | S | MP | X | HOLD | |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Emma Sherer | 3pm 8/5/11 | | 8/5/11 |
| | 8/5/11 1730 | | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1111932 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER TOWING |
| Project Number: | C563-001.02 |
| Report Date: | 08/12/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111932
**Report Date:** 08/12/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1111932-01 | SB-181 (0-1') | 1 INDIA ST., PROV. | 08/04/11 09:50 |
| L1111932-02 | SB-181 (1-2') | 1 INDIA ST., PROV. | 08/04/11 09:50 |
| L1111932-03 | SB-181 (2-3') | 1 INDIA ST., PROV. | 08/04/11 09:52 |
| L1111932-04 | SB-181 (3-4') | 1 INDIA ST., PROV. | 08/04/11 09:52 |
| L1111932-05 | SB-180 (0-1') | 1 INDIA ST., PROV. | 08/04/11 10:20 |
| L1111932-06 | SB-180 (1-2') | 1 INDIA ST., PROV. | 08/04/11 10:20 |
| L1111932-07 | SB-180 (2-3') | 1 INDIA ST., PROV. | 08/04/11 10:22 |
| L1111932-08 | SB-180 (3-4') | 1 INDIA ST., PROV. | 08/04/11 10:22 |
| L1111932-09 | SB-179 (0-1') | 1 INDIA ST., PROV. | 08/04/11 10:40 |
| L1111932-10 | SB-179 (1-2') | 1 INDIA ST., PROV. | 08/04/11 10:40 |
| L1111932-11 | SB-179 (2-3') | 1 INDIA ST., PROV. | 08/04/11 10:42 |
| L1111932-12 | SB-179 (3-4') | 1 INDIA ST., PROV. | 08/04/11 10:42 |
| L1111932-13 | SB-178 (0-1') | 1 INDIA ST., PROV. | 08/04/11 10:55 |
| L1111932-14 | SB-178 (1-2') | 1 INDIA ST., PROV. | 08/04/11 10:55 |
| L1111932-15 | SB-178 (2-3') | 1 INDIA ST., PROV. | 08/04/11 10:57 |
| L1111932-16 | SB-178 (3-4') | 1 INDIA ST., PROV. | 08/04/11 10:57 |
| L1111932-17 | SB-175 (0-1') | 1 INDIA ST., PROV. | 08/04/11 11:20 |
| L1111932-18 | SB-175 (1-2') | 1 INDIA ST., PROV. | 08/04/11 11:20 |
| L1111932-19 | SB-175 (2-3') | 1 INDIA ST., PROV. | 08/04/11 11:22 |
| L1111932-20 | SB-175 (3-4') | 1 INDIA ST., PROV. | 08/04/11 11:22 |

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111932 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L1111932-17, -18, and -19 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L1111932-19 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (both 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

The WG483202-3 LCSD recoveries, associated with L1111932-01, -02, -03, and -05, are below the acceptance criteria for Aroclor 1016 (3%) and Aroclor 1260 (7%); however, the associated LCS, MS, and MSD recoveries are within the method criteria. The results of the associated samples are reported. In addition, the associated WG483202-2/-3 LCS/LCSD RPDs are above the acceptance criteria for Aroclor 1016 (185%) and Aroclor 1260 (165%).

The surrogate recoveries for the WG483202-3 LCSD, associated with L1111932-01, -02, -03 and -05 are

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111932 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

**Case Narrative (continued)**

outside the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1%/2%) and Decachlorobiphenyl (9%/8%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 08/12/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER TOWING
**Lab Number:** L1111932
**Project Number:** C563-001.02
**Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111932-01 | Date Collected: | 08/04/11 09:50 |
| Client ID: | SB-181 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 17:24 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 32.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 32.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 32.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 32.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 32.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 32.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 32.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 32.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 55 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111932

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111932-02 | Date Collected: | 08/04/11 09:50 |
| Client ID: | SB-181 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 17:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 66 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111932

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111932-03 | Date Collected: | 08/04/11 09:52 |
| Client ID: | SB-181 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 17:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 32.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 63 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111932

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111932-05 | Date Collected: | 08/04/11 10:20 |
| Client ID: | SB-180 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 18:13 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 99% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 30.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 30.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 30.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 30.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 30.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 30.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 30.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 30.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 30.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111932

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111932-06 | Date Collected: | 08/04/11 10:20 |
| Client ID: | SB-180 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/09/11 19:36 |
| Analytical Date: | 08/11/11 00:46 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/10/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/10/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 |
| Decachlorobiphenyl | 56 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |

**Project Name:** MCALLISTER TOWING
**Lab Number:** L1111932
**Project Number:** C563-001.02
**Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111932-07 | Date Collected: | 08/04/11 10:22 |
| Client ID: | SB-180 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/08/11 15:33 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 |
| Decachlorobiphenyl | 82 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111932

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111932-09 | Date Collected: | 08/04/11 10:40 |
| Client ID: | SB-179 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/08/11 15:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 99% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 102 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 104 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111932

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111932-10 | Date Collected: | 08/04/11 10:40 |
| Client ID: | SB-179 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/08/11 15:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 30.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 30.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 30.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 30.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 30.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 30.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 30.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 30.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 30.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 98 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 123 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111932

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111932-11 | Date Collected: | 08/04/11 10:42 |
| Client ID: | SB-179 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/08/11 16:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 32.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 32.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 |
| Decachlorobiphenyl | 85 | | 30-150 |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111932
**Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111932-12 | Date Collected: | 08/04/11 10:42 |
| Client ID: | SB-179 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/09/11 18:35 |
| Analytical Date: | 08/11/11 01:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/10/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/10/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 |
| Decachlorobiphenyl | 49 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 59 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111932

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111932-13 | Date Collected: | 08/04/11 10:55 |
| Client ID: | SB-178 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/08/11 17:23 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 99% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 |
| Decachlorobiphenyl | 74 | | 30-150 |

**Project Name:** MCALLISTER TOWING
**Lab Number:** L1111932
**Project Number:** C563-001.02
**Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111932-14 | Date Collected: | 08/04/11 10:55 |
| Client ID: | SB-178 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/08/11 17:36 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 99% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111932

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111932-15 | Date Collected: | 08/04/11 10:57 |
| Client ID: | SB-178 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/08/11 18:00 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111932

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1111932-17 | D | Date Collected: | 08/04/11 11:20 |
| Client ID: | SB-175 (0-1') | | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/09/11 16:01 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 98% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 157 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 157 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 157 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 157 | -- | 5 |
| Aroclor 1248 | 1500 | | ug/kg | 157 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 157 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 157 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 157 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 90 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111932

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1111932-17 | D | Date Collected: | 08/04/11 11:20 |
| Client ID: | SB-175 (0-1') | | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/09/11 16:01 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 98% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 1170 | | ug/kg | 157 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 90 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111932

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1111932-18 | D | Date Collected: | 08/04/11 11:20 |
| Client ID: | SB-175 (1-2') | | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/09/11 16:18 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 98% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 158 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 158 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 158 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 158 | -- | 5 |
| Aroclor 1248 | 613 | | ug/kg | 158 | -- | 5 |
| Aroclor 1254 | 631 | | ug/kg | 158 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 158 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 158 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 158 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 36 | | 30-150 |
| Decachlorobiphenyl | 53 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 31 | | 30-150 |
| Decachlorobiphenyl | 54 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111932

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111932-19 D | Date Collected: | 08/04/11 11:22 |
| Client ID: | SB-175 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/09/11 17:07 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1640 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1640 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1640 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1640 | -- | 50 |
| Aroclor 1254 | ND | | ug/kg | 1640 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1640 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1640 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1640 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111932

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1111932-19 | D | Date Collected: | 08/04/11 11:22 |
| Client ID: | SB-175 (2-3') | | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/09/11 17:07 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 98% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 10100 | | ug/kg | 1640 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111932

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111932-20 | Date Collected: | 08/04/11 11:22 |
| Client ID: | SB-175 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/09/11 18:35 |
| Analytical Date: | 08/11/11 01:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/10/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/10/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 46 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |

**Project Name:** MCALLISTER TOWING
**Lab Number:** L1111932
**Project Number:** C563-001.02
**Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111932-20 | Date Collected: | 08/04/11 11:22 |
| Client ID: | SB-175 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROV. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/09/11 18:35 |
| Analytical Date: | 08/11/11 01:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/10/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/10/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 388 | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1254 | 184 | | ug/kg | 33.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 46 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111932

**Project Number:** C563-001.02 **Report Date:** 08/12/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 08/08/11 16:20
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 08/06/11 07:40
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/07/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/07/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-03,05 Batch: WG483202-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 |
| Decachlorobiphenyl | 64 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 58 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111932

**Project Number:** C563-001.02 **Report Date:** 08/12/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 08/08/11 16:34
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 08/06/11 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/07/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/07/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 07,09-11,13-15,17-19 Batch: WG483203-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 31.2 | -- |
| Aroclor 1221 | ND | | ug/kg | 31.2 | -- |
| Aroclor 1232 | ND | | ug/kg | 31.2 | -- |
| Aroclor 1242 | ND | | ug/kg | 31.2 | -- |
| Aroclor 1248 | ND | | ug/kg | 31.2 | -- |
| Aroclor 1254 | ND | | ug/kg | 31.2 | -- |
| Aroclor 1260 | ND | | ug/kg | 31.2 | -- |
| Aroclor 1262 | ND | | ug/kg | 31.2 | -- |
| Aroclor 1268 | ND | | ug/kg | 31.2 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111932

**Project Number:** C563-001.02 **Report Date:** 08/12/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 08/11/11 01:51
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 08/09/11 18:35
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/10/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/10/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 06,12,20 Batch: WG483681-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111932
**Report Date:** 08/12/11

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-03,05 (2-3') | QC Batch ID: WG483202-4 | WG483202-5 | QC Sample: L1111932-03 | Client ID: SB-181 | | | | | | | | |
| Aroclor 1016 | ND | 203 | 103 | 51 | | 141 | 66 | | 40-140 | 31 | | 50 |
| Aroclor 1260 | ND | 203 | 83.9 | 41 | | 106 | 50 | | 40-140 | 23 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 64 | | 30-150 |
| Decachlorobiphenyl | 47 | | 53 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 72 | | 30-150 |
| Decachlorobiphenyl | 54 | | 58 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111932
**Report Date:** 08/12/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-03,05 Batch: WG483202-2 WG483202-3 | | | | | | | | |
| Aroclor 1016 | 90 | | **3** | Q | 40-140 | **185** | Q | 50 |
| Aroclor 1260 | 78 | | **7** | Q | 40-140 | **165** | Q | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 1 | Q | 30-150 |
| Decachlorobiphenyl | 74 | | 9 | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 2 | Q | 30-150 |
| Decachlorobiphenyl | 67 | | 8 | Q | 30-150 |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 07,09-11,13-15,17-19 Batch: WG483203-2 WG483203-3 | | | | | | | | |
| Aroclor 1016 | 76 | | 101 | | 40-140 | 28 | | 50 |
| Aroclor 1260 | 75 | | 70 | | 40-140 | 7 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 65 | | 30-150 |
| Decachlorobiphenyl | 75 | | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 72 | | 30-150 |
| Decachlorobiphenyl | 80 | | 75 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER TOWING

**Project Number:** C563-001.02

**Lab Number:** L1111932

**Report Date:** 08/12/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 06,12,20 Batch: WG483681-2 WG483681-3 | | | | | | | | |
| Aroclor 1016 | 96 | | 95 | | 40-140 | 1 | | 50 |
| Aroclor 1260 | 71 | | 76 | | 40-140 | 7 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 78 | | 30-150 |
| Decachlorobiphenyl | 65 | | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 90 | | 30-150 |
| Decachlorobiphenyl | 69 | | 74 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111932
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111932-01
Client ID: SB-181 (0-1')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 09:50
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/09/11 14:44 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111932
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111932-02
Client ID: SB-181 (1-2')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 09:50
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 08/09/11 14:44 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111932
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111932-03
Client ID: SB-181 (2-3')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 09:52
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/09/11 14:44 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111932
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111932-05
Client ID: SB-180 (0-1')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 10:20
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 99 | | % | 0.10 | NA | 1 | - | 08/09/11 14:44 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111932
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111932-06
Client ID: SB-180 (1-2')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil
Date Collected: 08/04/11 10:20
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 08/09/11 14:44 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111932
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111932-07
Client ID: SB-180 (2-3')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil
Date Collected: 08/04/11 10:22
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111932
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111932-09
Client ID: SB-179 (0-1')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 10:40
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 99 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111932
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111932-10
Client ID: SB-179 (1-2')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 10:40
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111932
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111932-11
Client ID: SB-179 (2-3')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil
Date Collected: 08/04/11 10:42
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111932
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111932-12
Client ID: SB-179 (3-4')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil
Date Collected: 08/04/11 10:42
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111932
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111932-13
Client ID: SB-178 (0-1')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 10:55
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 99 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111932
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111932-14
Client ID: SB-178 (1-2')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 10:55
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 99 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111932
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111932-15
Client ID: SB-178 (2-3')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 10:57
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111932
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111932-17
Client ID: SB-175 (0-1')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 11:20
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111932
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111932-18
Client ID: SB-175 (1-2')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil
Date Collected: 08/04/11 11:20
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111932
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111932-19
Client ID: SB-175 (2-3')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 11:22
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111932
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111932-20
Client ID: SB-175 (3-4')
Sample Location: 1 INDIA ST., PROV.
Matrix: Soil

Date Collected: 08/04/11 11:22
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111932
**Report Date:** 08/12/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-03,05-06 QC Batch ID: WG483634-1 QC Sample: L1111932-03 Client ID: SB-181 (2-3') | | | | | | |
| Solids, Total | 97 | 97 | % | 0 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 07,09-15,17-20 QC Batch ID: WG483664-1 QC Sample: L1111932-07 Client ID: SB-180 (2-3') | | | | | | |
| Solids, Total | 91 | 91 | % | 0 | | 20 |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111932
**Report Date:** 08/12/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1111932-01A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111932-02A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111932-03A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111932-03B | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111932-03C | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111932-04A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111932-05A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111932-06A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111932-07A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111932-08A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111932-09A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111932-10A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111932-11A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111932-12A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111932-13A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111932-14A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111932-15A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111932-16A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111932-17A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111932-18A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111932-19A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111932-20A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111932 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111932 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111932 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised July 28, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 3 OF 14

ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 8/5/11

ALPHA Job #: L1111932

**Client Information**

Client: ESS GROUP
Address: 401 WAMPANOAG TR. #400
E. PROVIDENCE, RI 02914
Phone: 401-434-5560
Fax: 401-434-8158
Email: KPURDY@ESSGROUP.COM

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister Towing
Project Location: 1 India St. Prov.
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5 DAYS FIRM 8/12/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program TSCA/RIDEM Criteria RIDEM RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB w/SOX EXTRACTION

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB w/SOX EXTRACTION | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 1932 1 | SB-181 (0-1') | 8/4/11 | 0950 | S | MP | X | |
| 2 | SB-181 (1-2') | ↓ | 0950 | S | MP | X | |
| 3 | SB-181 (2-3') | | 0952 | S | MP | X | |
| 4 | SB-181 (3-4') | | 0952 | S | MP | X | HOLD |
| 5 | SB-180 (0-1') | | 1020 | S | MP | X | |
| 6 | SB-180 (1-2') | | 1020 | S | MP | X | |
| 7 | SB-180 (2-3') | | 1022 | S | MP | X | |
| 8 | SB-180 (3-4') | | 1022 | S | MP | X | HOLD |
| 9 | SB-179 (0-1') | | 1040 | S | MP | X | |
| 10 | SB-179 (1-2') | ↓ | 1040 | S | MP | X | |

| | |
|---|---|
| Container Type | A |
| Preservative | A |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Emma Sherer | 3pm 8/5/11 | [signature] | 8/5/11 1530 |
| [signature] | 8/5/11 1730 | [signature] | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 4 OF 14

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 8/5/11

ALPHA Job #: L1111932

**Client Information**

Client: ESS GROUP
Address: 401 WAMPANOAG TR. E. PROVIDENCE, RI 02914
Phone: 401-434-5560
Fax: 401-434-5560
Email: KPURDY@ESSGROUP.COM
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McALLISTER TOWING
Project Location: 1 IDOIA ST. PROV.
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5 DAYS FIRM 8/12/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ EDEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program TSCA / RIDEM Criteria RIDEM RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

**Other Project Specific Requirements/Comments/Detection Limits:**

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB w/SOX EXTRACTION

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB w/SOX EXTRACTION | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 11 | SB-179 (2-3') | 8/4/11 | 1042 | S | MP | X | | |
| 12 | SB-179 (3-4') | | 1042 | S | MP | X | | |
| 13 | SB-178 (0-1') | | 1055 | S | MP | X | | |
| 14 | SB-178 (1-2') | | 1055 | S | MP | X | | |
| 15 | SB-178 (2-3') | | 1057 | S | MP | X | | |
| 16 | SB-178 (3-4') | | 1057 | S | MP | X | HOLD | |
| 17 | SB-175 (0-1') | | 1120 | S | MP | X | | |
| 18 | SB-175 (1-2') | | 1120 | S | MP | X | | |
| 19 | SB-175 (2-3') | | 1122 | S | MP | X | | |
| 20 | SB-175 (3-4') | | 1122 | S | MP | X | | |

| | |
|---|---|
| Container Type | A |
| Preservative | A |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Emma Shaver | 8/5/11 1730 | | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 13 OF 14

Date Rec'd in Lab: 8/5/11

ALPHA Job #: L1111932

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group
Address: 401 Wampanoag trail
E. Providence, RI 02914
Phone: 401-434-5560
Fax: 401-434-8158
Email: kfurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister Towing
Project Location: 1 India St. Providence
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
5 DAYS FIRM
Date Due: 8/12/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program TSCA/RIDEM Criteria RIDEM RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**
*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs/SOX Extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 11932 | SB-184(0-1') | 8/5/11 | 1012 | S | MP | X | | |
| | SB-184(1-2') | ↓ | 1012 | ↓ | ↓ | X | | |
| | SB-184(2-3') | ↓ | 1014 | ↓ | ↓ | X | | |
| | SB-184(3-4') | ↓ | 1014 | ↓ | ↓ | X | HOLD | |
| | SB-185(0-1') | ↓ | 1000 | ↓ | ↓ | X | | |
| | SB-185(1-2') | ↓ | 1000 | ↓ | ↓ | X | | |
| | SB-185(2-3') | ↓ | 1002 | ↓ | ↓ | X | | |
| | SB-185(3-4') | ↓ | 1002 | ↓ | ↓ | X | HOLD | |
| | SB-5181(0-1') | 8/4/11 | 0951 | ↓ | ↓ | X | | |
| 3 | SB-181-MS(2-3') | ↓ | 0951 | ↓ | ↓ | X | | |

| | |
|---|---|
| Container Type | A |
| Preservative | A |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 3 pm 8/5/11 | [signature] | 8/5/11 1500 |
| [signature] | 8/5/11 1730 | [signature] | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 14 OF 14

ALPHA TECHNICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 8/5/11

ALPHA Job #: L1111932

## Client Information

Client: ESS Group
Address: 401 Wampanoag Trail
E. Providence, RI 02915
Phone: 401-434-5560
Fax: 401-434-8158
Email: KPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: Mcallister Towing
Project Location: 1 India St. Providence
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

## Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
5 DAYS FIRM
Date Due: 8/12/11 Time:

## Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program TSCA/RIDEM Criteria RIDEM RDEC

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

## Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: RCP/Soil Extraction

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | RCP/Soil Extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 1932.3 | SB-181-MSD (2-3') | 8/4/11 | 0951 | S | MP | X | | |
| | SB-176-MS (4-5') | | 1300 | | | X | | |
| | SB-176-MSD (4-5') | | 1300 | | | X | | |
| | SB-5176 (2-3') | | 1258 | | | X | | |
| | SB-172-MS (5-6') | | 1535 | | | X | | |
| | SB-172-MSD (5-6') | | 1535 | | | X | | |
| | SB-5172 (1-2') | | 1531 | | | X | | |
| | SB-184-MS (2-3') | 8/5/11 | 1015 | | | X | | |
| | SB-184-MSD (2-3') | | 1015 | | | X | | |
| | SB-5184 (1-2) | | 1013 | | | X | | |

Container Type: A
Preservative: A

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 3pm 8/5/11 | | 8/5/11 1550 |
| | 8/5/11 1730 | | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1111933 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER TOWING |
| Project Number: | C563-001.02 |
| Report Date: | 08/12/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111933
**Report Date:** 08/12/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1111933-01 | SB-175 (4-5') | 1 INDIA ST., PROVIDENCE | 08/04/11 11:24 |
| L1111933-02 | SB-175 (5-6') | 1 INDIA ST., PROVIDENCE | 08/04/11 11:24 |
| L1111933-03 | SB-175 (6-7') | 1 INDIA ST., PROVIDENCE | 08/04/11 11:26 |
| L1111933-04 | SB-175 (7-8') | 1 INDIA ST., PROVIDENCE | 08/04/11 11:26 |
| L1111933-05 | SB-176 (0-1') | 1 INDIA ST., PROVIDENCE | 08/04/11 12:55 |
| L1111933-06 | SB-176 (1-2') | 1 INDIA ST., PROVIDENCE | 08/04/11 12:55 |
| L1111933-07 | SB-176 (2-3') | 1 INDIA ST., PROVIDENCE | 08/04/11 12:57 |
| L1111933-08 | SB-176 (3-4') | 1 INDIA ST., PROVIDENCE | 08/04/11 12:57 |
| L1111933-09 | SB-176 (4-5') | 1 INDIA ST., PROVIDENCE | 08/04/11 12:59 |
| L1111933-10 | SB-176 (5-6') | 1 INDIA ST., PROVIDENCE | 08/04/11 12:59 |
| L1111933-11 | SB-176 (6-7') | 1 INDIA ST., PROVIDENCE | 08/04/11 13:01 |
| L1111933-12 | SB-176 (7-8') | 1 INDIA ST., PROVIDENCE | 08/04/11 13:01 |
| L1111933-13 | SB-177 (0-1') | 1 INDIA ST., PROVIDENCE | 08/04/11 13:40 |
| L1111933-14 | SB-177 (1-2') | 1 INDIA ST., PROVIDENCE | 08/04/11 13:40 |
| L1111933-15 | SB-177 (2-3') | 1 INDIA ST., PROVIDENCE | 08/04/11 13:42 |
| L1111933-16 | SB-177 (3-4') | 1 INDIA ST., PROVIDENCE | 08/04/11 13:42 |
| L1111933-17 | SB-177 (4-5') | 1 INDIA ST., PROVIDENCE | 08/04/11 13:44 |
| L1111933-18 | SB-177 (5-6') | 1 INDIA ST., PROVIDENCE | 08/04/11 13:44 |
| L1111933-19 | SB-177 (6-7') | 1 INDIA ST., PROVIDENCE | 08/04/11 13:46 |
| L1111933-20 | SB-177 (7-8') | 1 INDIA ST., PROVIDENCE | 08/04/11 13:46 |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111933
**Report Date:** 08/12/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L1111933-06, -07, -08, -14, and -15 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L1111933-07 and -08 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons Elizabeth Simmons

Title: Technical Director/Representative Date: 08/12/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111933

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111933-05 | Date Collected: | 08/04/11 12:55 |
| Client ID: | SB-176 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/08/11 19:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 99% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 30.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 30.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 30.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 30.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 30.4 | -- | 1 |
| Aroclor 1254 | 38.9 | | ug/kg | 30.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 30.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 30.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 30.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111933

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111933-06 D | Date Collected: | 08/04/11 12:55 |
| Client ID: | SB-176 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/09/11 16:30 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 168 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 168 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 168 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 168 | -- | 5 |
| Aroclor 1248 | 1200 | | ug/kg | 168 | -- | 5 |
| Aroclor 1254 | 1740 | | ug/kg | 168 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 168 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 168 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 168 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 91 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 |
| Decachlorobiphenyl | 90 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111933

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111933-07 D | Date Collected: | 08/04/11 12:57 |
| Client ID: | SB-176 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/10/11 18:03 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1630 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1630 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1630 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1630 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1630 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1630 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1630 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111933

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111933-07 D | Date Collected: | 08/04/11 12:57 |
| Client ID: | SB-176 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/10/11 18:03 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 8410 | | ug/kg | 1630 | -- | 50 |
| Aroclor 1254 | 3780 | | ug/kg | 1630 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111933

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111933-08 D | Date Collected: | 08/04/11 12:57 |
| Client ID: | SB-176 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/09/11 16:55 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 319 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 319 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 319 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 319 | -- | 10 |
| Aroclor 1248 | 3240 | | ug/kg | 319 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 319 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 319 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 319 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111933

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111933-08 D | Date Collected: | 08/04/11 12:57 |
| Client ID: | SB-176 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/09/11 16:55 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 1910 | | ug/kg | 319 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111933

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111933-13 | Date Collected: | 08/04/11 13:40 |
| Client ID: | SB-177 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/08/11 17:48 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 99% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1248 | 455 | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1254 | 531 | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 52 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 30-150 |
| Decachlorobiphenyl | 64 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111933

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111933-14 D | Date Collected: | 08/04/11 13:40 |
| Client ID: | SB-177 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/10/11 17:00 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 324 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 324 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 324 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 324 | -- | 10 |
| Aroclor 1248 | 1320 | | ug/kg | 324 | -- | 10 |
| Aroclor 1254 | 1120 | | ug/kg | 324 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 324 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 324 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 324 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 117 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 124 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111933

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111933-15 D | Date Collected: | 08/04/11 13:42 |
| Client ID: | SB-177 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/10/11 17:12 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 170 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 170 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 170 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 170 | -- | 5 |
| Aroclor 1248 | 786 | | ug/kg | 170 | -- | 5 |
| Aroclor 1254 | 754 | | ug/kg | 170 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 170 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 170 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 170 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 46 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111933

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111933-16 | Date Collected: | 08/04/11 13:42 |
| Client ID: | SB-177 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 10:25 |
| Analytical Date: | 08/08/11 20:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/07/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1248 | 305 | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1254 | 317 | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 |
| Decachlorobiphenyl | 64 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 |
| Decachlorobiphenyl | 59 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111933

**Project Number:** C563-001.02 **Report Date:** 08/12/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 08/08/11 16:34
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 08/06/11 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/07/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/07/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 05-08,13-16 Batch: WG483203-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 31.2 | -- |
| Aroclor 1221 | ND | | ug/kg | 31.2 | -- |
| Aroclor 1232 | ND | | ug/kg | 31.2 | -- |
| Aroclor 1242 | ND | | ug/kg | 31.2 | -- |
| Aroclor 1248 | ND | | ug/kg | 31.2 | -- |
| Aroclor 1254 | ND | | ug/kg | 31.2 | -- |
| Aroclor 1260 | ND | | ug/kg | 31.2 | -- |
| Aroclor 1262 | ND | | ug/kg | 31.2 | -- |
| Aroclor 1268 | ND | | ug/kg | 31.2 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER TOWING

**Project Number:** C563-001.02

**Lab Number:** L1111933

**Report Date:** 08/12/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 05-08,13-16 Batch: WG483203-2 WG483203-3 | | | | | | | | |
| Aroclor 1016 | 76 | | 101 | | 40-140 | 28 | | 50 |
| Aroclor 1260 | 75 | | 70 | | 40-140 | 7 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 65 | | 30-150 |
| Decachlorobiphenyl | 75 | | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 72 | | 30-150 |
| Decachlorobiphenyl | 80 | | 75 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111933
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111933-05
Client ID: SB-176 (0-1')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 12:55
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 99 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111933
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111933-06
Client ID: SB-176 (1-2')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 12:55
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111933
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111933-07
Client ID: SB-176 (2-3')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 12:57
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111933
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111933-08
Client ID: SB-176 (3-4')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 12:57
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111933
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111933-13
Client ID: SB-177 (0-1')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 13:40
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 99 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111933
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111933-14
Client ID: SB-177 (1-2')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil

Date Collected: 08/04/11 13:40
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111933
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111933-15
Client ID: SB-177 (2-3')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 13:42
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/09/11 15:54 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111933
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111933-16
Client ID: SB-177 (3-4')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 13:42
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 08/08/11 12:30 | 30,2540G | MD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111933
**Report Date:** 08/12/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 16 QC Batch ID: WG483375-1 QC Sample: L1111942-02 Client ID: DUP Sample | | | | | | |
| Solids, Total | 75 | 76 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 05-08,13-15 QC Batch ID: WG483664-1 QC Sample: L1111932-07 Client ID: DUP Sample | | | | | | |
| Solids, Total | 91 | 91 | % | 0 | | 20 |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111933
**Report Date:** 08/12/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1111933-01A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111933-02A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111933-03A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111933-04A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111933-05A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111933-06A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111933-07A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111933-08A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111933-09A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111933-09B | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111933-09C | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111933-10A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111933-11A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111933-12A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111933-13A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111933-14A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111933-15A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111933-16A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111933-17A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111933-18A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111933-19A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |
| L1111933-20A | Amber 120ml unpreserved | A | N/A | 2.8 | Y | Absent | HOLD(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111933 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

## GLOSSARY

### *Acronyms*

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### *Footnotes*

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111933 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111933 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised July 28, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 5 OF 14

Date Rec'd in Lab: 8/5/11

ALPHA Job #: L1111933

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group
Address: 401 Wampanoag Trail
E. Providence, RI 02914
Phone: 401-434-5560
Fax: 401-434-8158
Email: KPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister Towing
Project Location: 1 India St. Providence
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
5 DAYS FIRM
Date Due: 8/12/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program TSCA/RIDEM Criteria RIDEM [redacted] RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB w/ SOX extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 11933 1 | SB-175 (4-5') | 8/4/11 | 1124 | S | MP | X | HOLD | |
| 2 | SB-175 (5-6') | ↓ | 1124 | ↓ | ↓ | X | HOLD | |
| 3 | SB-175 (6-7') | ↓ | 1126 | ↓ | ↓ | X | HOLD | |
| 4 | SB-175 (7-8') | ↓ | 1126 | ↓ | ↓ | X | HOLD | |
| 5 | SB-176 (0-1') | ↓ | 1255 | ↓ | ↓ | X | | |
| 6 | SB-176 (1-2') | ↓ | 1255 | ↓ | ↓ | X | | |
| 7 | SB-176 (2-3') | ↓ | 1257 | ↓ | ↓ | X | | |
| 8 | SB-176 (3-4') | ↓ | 1257 | ↓ | ↓ | X | | |
| 9 | SB-176 (4-5') | ↓ | 1259 | ↓ | ↓ | X | HOLD | |
| 10 | SB-176 (5-6') | ↓ | 1259 | ↓ | ↓ | X | HOLD | |

| | |
|---|---|
| Container Type | A |
| Preservative | A |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Eric Shearer | 3 pm 8/5/11 | [signature] | 8/5/11 1730 |
| [signature] | 8/5/11 1730 | Dan Chumar | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 6 OF 14

Date Rec'd in Lab: 8/5/11

ALPHA Job #: L1111933

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group
Address: 401 Wampanoag trail
E. Providence, RI 02914
Phone: 401-434-5560
Fax: 401-434-8158
Email: KPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister towing
Project Location: 1 India St. Providence
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
5 DAYS FIRM
Date Due: 8/12/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program TSCA/RIDEM Criteria RIDEM RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**
*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB w/ 50X extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 11933 11 | SB-176(6-7') | 8/4/11 | 1301 | S | NP | X | HOLD | |
| 12 | SB-176(7-8') | ↓ | 1301 | ↓ | ↓ | X | HOLD | |
| 13 | SB-177(0-1') | ↓ | 1340 | ↓ | ↓ | X | | |
| 14 | SB-177(1-2') | ↓ | 1340 | ↓ | ↓ | X | | |
| 15 | SB-177(2-3') | ↓ | 1342 | ↓ | ↓ | X | | |
| 16 | SB-177(3-4') | ↓ | 1342 | ↓ | ↓ | X | | |
| 17 | SB-177(4-5') | ↓ | 1344 | ↓ | ↓ | X | HOLD | |
| 18 | SB-177(5-6') | ↓ | 1344 | ↓ | ↓ | X | HOLD | |
| 19 | SB-177(6-7') | ↓ | 1346 | ↓ | ↓ | X | HOLD | |
| 20 | SB-177(7-8') | ↓ | 1346 | ↓ | ↓ | X | HOLD | |

| | |
|---|---|
| Container Type | A |
| Preservative | A |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 5pm 8/5/11 | [signature] | 8/5/11 1500 |
| [signature] | 8/5/11 1730 | [signature] | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 14 OF 14

Date Rec'd in Lab: 8/5/11

ALPHA Job #: L1111933

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

## Client Information

Client: ESS Group
Address: 401 Wampanoag trail
E. Providence, RI 02915
Phone: 401-434-5560
Fax: 401-434-8158
Email: KPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: Mcallister Towing
Project Location: 1 Sudis St. Providence
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

## Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
5 DAYS FIRM
Date Due: Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program TSCA/RIDEM | Criteria RIDEM RDEC

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: RCRA+ 50% Extraction

SAMPLE HANDLING
Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | RCRA+ 50% Extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 1193 | SB-181-MSD (2-3') | 8/4/11 | 0951 | S | MP | X | | |
| 9 | SB-176-MS (4-5') | | 1300 | | | X | | |
| 9 | SB-176-MSD (4-5') | | 1300 | | | X | | |
| | SB-5176 (2-3') | | 1258 | | | X | | |
| | SB-172-MS (5-6') | | 1535 | | | X | | |
| | SB-172-MSD (5-6') | | 1535 | | | X | | |
| | SB-5172 (1-2') | ↓ | 1531 | | | X | | |
| | SB-184-MS (2-3') | 8/5/11 | 1015 | | | X | | |
| | SB-184-MSD (2-3') | | 1015 | | | X | | |
| | SB-5184 (1-2) | ↓ | 1013 | ↓ | ↓ | X | | |

| | |
|---|---|
| Container Type | A |
| Preservative | A |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Evan Walsh | 8/5/11 3:00pm | | 8/5/11 1500 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1111934 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER TOWING |
| Project Number: | C563-001.02 |
| Report Date: | 08/12/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111934
**Report Date:** 08/12/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1111934-01 | SB-143A (4-5') | 1 INDIA ST., PROVIDENCE | 08/04/11 15:10 |
| L1111934-02 | SB-143A (5-6') | 1 INDIA ST., PROVIDENCE | 08/04/11 15:10 |
| L1111934-03 | SB-143A (6-7') | 1 INDIA ST., PROVIDENCE | 08/04/11 15:12 |
| L1111934-04 | SB-143A (7-8') | 1 INDIA ST., PROVIDENCE | 08/04/11 15:12 |
| L1111934-05 | SB-146A (4-5') | 1 INDIA ST., PROVIDENCE | 08/04/11 14:40 |
| L1111934-06 | SB-146A (5-6') | 1 INDIA ST., PROVIDENCE | 08/04/11 14:40 |
| L1111934-07 | SB-146A (6-7') | 1 INDIA ST., PROVIDENCE | 08/04/11 14:42 |
| L1111934-08 | SB-146A (7-8') | 1 INDIA ST., PROVIDENCE | 08/04/11 14:42 |
| L1111934-09 | SB-174 (0-1') | 1 INDIA ST., PROVIDENCE | 08/04/11 14:20 |
| L1111934-10 | SB-174 (1-2') | 1 INDIA ST., PROVIDENCE | 08/04/11 14:20 |
| L1111934-11 | SB-174 (2-3') | 1 INDIA ST., PROVIDENCE | 08/04/11 14:22 |
| L1111934-12 | SB-174 (3-4') | 1 INDIA ST., PROVIDENCE | 08/04/11 14:22 |
| L1111934-13 | SB-173 (0-1') | 1 INDIA ST., PROVIDENCE | 08/04/11 14:55 |
| L1111934-14 | SB-173 (1-2') | 1 INDIA ST., PROVIDENCE | 08/04/11 14:55 |
| L1111934-15 | SB-173 (2-3') | 1 INDIA ST., PROVIDENCE | 08/04/11 14:57 |
| L1111934-16 | SB-173 (3-4') | 1 INDIA ST., PROVIDENCE | 08/04/11 14:57 |
| L1111934-17 | SB-173 (4-5') | 1 INDIA ST., PROVIDENCE | 08/04/11 14:59 |
| L1111934-18 | SB-173 (5-6') | 1 INDIA ST., PROVIDENCE | 08/04/11 14:59 |
| L1111934-19 | SB-172 (0-1') | 1 INDIA ST., PROVIDENCE | 08/04/11 15:30 |
| L1111934-20 | SB-172 (1-2') | 1 INDIA ST., PROVIDENCE | 08/04/11 15:30 |

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111934 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L1111934-01 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the target compounds present in the sample.

L1111934-01, -10, -14, -15, -16, -19, and -20 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1111934-09 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

The surrogate recoveries for L1111934-01, -02, -10, -14, -15, -16, and -20 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons Elizabeth Simmons

Title: Technical Director/Representative Date: 08/12/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-01 D | Date Collected: | 08/04/11 15:10 |
| Client ID: | SB-143A (4-5') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 15:06 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1240 | -- | 40 |
| Aroclor 1221 | ND | | ug/kg | 1240 | -- | 40 |
| Aroclor 1232 | ND | | ug/kg | 1240 | -- | 40 |
| Aroclor 1242 | ND | | ug/kg | 1240 | -- | 40 |
| Aroclor 1248 | 7460 | | ug/kg | 1240 | -- | 40 |
| Aroclor 1260 | ND | | ug/kg | 1240 | -- | 40 |
| Aroclor 1262 | ND | | ug/kg | 1240 | -- | 40 |
| Aroclor 1268 | ND | | ug/kg | 1240 | -- | 40 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-01 D | Date Collected: | 08/04/11 15:10 |
| Client ID: | SB-143A (4-5') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 15:06 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 8610 | | ug/kg | 1240 | -- | 40 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-02 D | Date Collected: | 08/04/11 15:10 |
| Client ID: | SB-143A (5-6') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 15:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 320 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 320 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 320 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 320 | -- | 10 |
| Aroclor 1248 | 1220 | | ug/kg | 320 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 320 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 320 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 320 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-02 D | Date Collected: | 08/04/11 15:10 |
| Client ID: | SB-143A (5-6') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 15:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 710 | | ug/kg | 320 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-05 | Date Collected: | 08/04/11 14:40 |
| Client ID: | SB-146A (4-5') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 16:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-05 | Date Collected: | 08/04/11 14:40 |
| Client ID: | SB-146A (4-5') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 16:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 35.2 | | ug/kg | 35.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-06 | Date Collected: | 08/04/11 14:40 |
| Client ID: | SB-146A (5-6') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 16:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 80% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 39.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 39.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 43 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 59 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-09 | Date Collected: | 08/04/11 14:20 |
| Client ID: | SB-174 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 17:05 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 131 | -- | 4 |
| Aroclor 1221 | ND | | ug/kg | 131 | -- | 4 |
| Aroclor 1232 | ND | | ug/kg | 131 | -- | 4 |
| Aroclor 1242 | ND | | ug/kg | 131 | -- | 4 |
| Aroclor 1260 | ND | | ug/kg | 131 | -- | 4 |
| Aroclor 1262 | ND | | ug/kg | 131 | -- | 4 |
| Aroclor 1268 | ND | | ug/kg | 131 | -- | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 39 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 |
| Decachlorobiphenyl | 49 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-09 | Date Collected: | 08/04/11 14:20 |
| Client ID: | SB-174 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 17:05 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 588 | | ug/kg | 131 | -- | 4 |
| Aroclor 1254 | 471 | | ug/kg | 131 | -- | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 39 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 |
| Decachlorobiphenyl | 49 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-10 D | Date Collected: | 08/04/11 14:20 |
| Client ID: | SB-174 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 15:38 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 369 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 369 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 369 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 369 | -- | 10 |
| Aroclor 1248 | 5600 | | ug/kg | 369 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 369 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 369 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-10 D | Date Collected: | 08/04/11 14:20 |
| Client ID: | SB-174 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 15:38 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1254 | 2750 | | ug/kg | 369 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 369 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-11 | Date Collected: | 08/04/11 14:22 |
| Client ID: | SB-174 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/10/11 13:59 |
| Analytical Date: | 08/11/11 18:24 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/11/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/11/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 107 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-12 | Date Collected: | 08/04/11 14:22 |
| Client ID: | SB-174 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 17:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 31.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 50 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-12 | Date Collected: | 08/04/11 14:22 |
| Client ID: | SB-174 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 17:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 80.7 | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1254 | 43.1 | | ug/kg | 31.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 50 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-13 | Date Collected: | 08/04/11 14:55 |
| Client ID: | SB-173 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 17:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 |
| Decachlorobiphenyl | 42 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 52 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-13 | Date Collected: | 08/04/11 14:55 |
| Client ID: | SB-173 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/08/11 17:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 327 | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1254 | 358 | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1260 | 41.2 | | ug/kg | 34.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 |
| Decachlorobiphenyl | 42 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 52 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-14 D | Date Collected: | 08/04/11 14:55 |
| Client ID: | SB-173 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 15:54 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 680 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 680 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 680 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 680 | -- | 20 |
| Aroclor 1248 | 5440 | | ug/kg | 680 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 680 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 680 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-14 D | Date Collected: | 08/04/11 14:55 |
| Client ID: | SB-173 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 15:54 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 2620 | | ug/kg | 680 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 680 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-15 D | Date Collected: | 08/04/11 14:57 |
| Client ID: | SB-173 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 16:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3180 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3180 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3180 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3180 | -- | 100 |
| Aroclor 1248 | 16200 | | ug/kg | 3180 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3180 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3180 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3180 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-15 D | Date Collected: | 08/04/11 14:57 |
| Client ID: | SB-173 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 16:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 4990 | | ug/kg | 3180 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-16 D | Date Collected: | 08/04/11 14:57 |
| Client ID: | SB-173 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 16:26 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3300 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3300 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3300 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3300 | -- | 100 |
| Aroclor 1248 | 16500 | | ug/kg | 3300 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3300 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3300 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3300 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-16 D | Date Collected: | 08/04/11 14:57 |
| Client ID: | SB-173 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 16:26 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 4930 | | ug/kg | 3300 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-19 D | Date Collected: | 08/04/11 15:30 |
| Client ID: | SB-172 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 16:42 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 161 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 161 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 161 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 161 | -- | 5 |
| Aroclor 1254 | ND | | ug/kg | 161 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 161 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 161 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 85 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-19 D | Date Collected: | 08/04/11 15:30 |
| Client ID: | SB-172 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 16:42 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 388 | | ug/kg | 161 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 161 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 85 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-20 D | Date Collected: | 08/04/11 15:30 |
| Client ID: | SB-172 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 16:59 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 679 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 679 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 679 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 679 | -- | 20 |
| Aroclor 1248 | 1570 | | ug/kg | 679 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 679 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 679 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 679 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111934

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111934-20 D | Date Collected: | 08/04/11 15:30 |
| Client ID: | SB-172 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 16:59 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 1460 | | ug/kg | 679 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111934
**Report Date:** 08/12/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 08/08/11 19:58
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 08/06/11 07:40
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/08/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/08/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-02,05-06,09-10,12-16,19-20 Batch: WG483204-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.9 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 52 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 68 | | 30-150 |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111934
**Report Date:** 08/12/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 08/11/11 18:36
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 08/10/11 13:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/11/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/11/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 11 Batch: WG483867-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 76 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111934
**Report Date:** 08/12/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-02,05-06,09-10,12-16,19-20 Batch: WG483204-2 WG483204-3 | | | | | | | | |
| Aroclor 1016 | 76 | | 81 | | 40-140 | 6 | | 50 |
| Aroclor 1260 | 64 | | 62 | | 40-140 | 3 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 67 | | 30-150 |
| Decachlorobiphenyl | 46 | | 46 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 75 | | 30-150 |
| Decachlorobiphenyl | 58 | | 65 | | 30-150 |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 11 Batch: WG483867-2 WG483867-3 | | | | | | | | |
| Aroclor 1016 | 101 | | 90 | | 40-140 | 12 | | 50 |
| Aroclor 1260 | 96 | | 84 | | 40-140 | 13 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 70 | | 30-150 |
| Decachlorobiphenyl | 92 | | 81 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 71 | | 30-150 |
| Decachlorobiphenyl | 88 | | 87 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111934
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111934-01
Client ID: SB-143A (4-5')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 15:10
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/08/11 12:30 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111934
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111934-02
Client ID: SB-143A (5-6')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil

Date Collected: 08/04/11 15:10
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 08/08/11 12:30 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111934
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111934-05
Client ID: SB-146A (4-5')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil

Date Collected: 08/04/11 14:40
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 08/08/11 12:30 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111934
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111934-06
Client ID: SB-146A (5-6')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 14:40
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 80 | | % | 0.10 | NA | 1 | - | 08/08/11 12:30 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111934
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111934-09
Client ID: SB-174 (0-1')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil

Date Collected: 08/04/11 14:20
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 08/08/11 12:30 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111934
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111934-10
Client ID: SB-174 (1-2')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 14:20
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 08/08/11 12:30 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111934
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111934-11
Client ID: SB-174 (2-3')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil

Date Collected: 08/04/11 14:22
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/08/11 12:30 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111934
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111934-12
Client ID: SB-174 (3-4')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil

Date Collected: 08/04/11 14:22
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/08/11 12:30 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111934
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111934-13
Client ID: SB-173 (0-1')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 14:55
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 08/08/11 12:30 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111934
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111934-14
Client ID: SB-173 (1-2')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 14:55
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 08/08/11 12:30 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111934
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111934-15
Client ID: SB-173 (2-3')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil

Date Collected: 08/04/11 14:57
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 08/08/11 12:30 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111934
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111934-16
Client ID: SB-173 (3-4')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 14:57
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 08/08/11 12:30 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111934
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111934-19
Client ID: SB-172 (0-1')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil

Date Collected: 08/04/11 15:30
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 08/08/11 12:30 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111934
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111934-20
Client ID: SB-172 (1-2')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 15:30
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 08/08/11 12:30 | 30,2540G | MD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111934
**Report Date:** 08/12/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-02,05-06,09-16,19-20 QC Batch ID: WG483375-1 QC Sample: L1111942-02 Client ID: DUP Sample | | | | | | |
| Solids, Total | 75 | 76 | % | 1 | | 20 |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111934
**Report Date:** 08/12/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1111934-01A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111934-02A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111934-03A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | HOLD(14) |
| L1111934-04A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | HOLD(14) |
| L1111934-05A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111934-06A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111934-07A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | HOLD(14) |
| L1111934-08A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | HOLD(14) |
| L1111934-09A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111934-10A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111934-11A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111934-12A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111934-13A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111934-14A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111934-15A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111934-16A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111934-17A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | HOLD(14) |
| L1111934-18A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | HOLD(14) |
| L1111934-19A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111934-20A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111934 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

## GLOSSARY

### *Acronyms*

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### *Footnotes*

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111934 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111934 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised July 28, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 7 OF 14

Date Rec'd in Lab: 8/5/11

ALPHA Job #: L1111934

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group
Address: 401 Wampanoag trail
E. Providence, RI 02914
Phone: 401-434-5560
Fax: 401-434-8158
Email: KPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister towing
Project Location: 1 India St. Providence
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
5 DAYS FIRM
Date Due: 8/12/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program TSCA/RIDEM Criteria RIDEM RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**
*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB w/ SOX extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 11934. 1 | SB-143A (4-5') | 8/4/11 | 1510 | S | MP | X | | |
| 2 | SB-143A (5-6') | ↓ | 1510 | ↓ | ↓ | X | | |
| 3 | SB-143A (6-7') | ↓ | 1512 | ↓ | ↓ | X | HOLD | |
| 4 | SB-143A (7-8') | ↓ | 1512 | ↓ | ↓ | X | HOLD | |
| 5 | SB-146A (4-5') | ↓ | 1440 | ↓ | ↓ | X | | |
| 6 | SB-146A (5-6') | ↓ | 1440 | ↓ | ↓ | X | | |
| 7 | SB-146A (6-7') | ↓ | 1442 | ↓ | ↓ | X | HOLD | |
| 8 | SB-146A (7-8') | ↓ | 1442 | ↓ | ↓ | X | HOLD | |
| 9 | SB-174 (0-1') | ↓ | 1420 | ↓ | ↓ | X | | |
| 10 | SB-174 (1-2') | ↓ | 1420 | ↓ | ↓ | X | | |
| | | | | | Container Type | A | | |
| | | | | | Preservative | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 3pm 8/5/11 | [signature] | 8/5/11 1500 |
| [signature] | 8/5/11 1730 | [signature] | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 8 OF 14

Date Rec'd in Lab: 8/5/11

ALPHA Job #: L1111934


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: ESS Group
Address: 401 Wampanoag Trail
E. Providence, RI 02914
Phone: 401-434-5560
Fax: 401-434-8958
Email: KPurdy@ESSGroup.com
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister Towing
Project Location: 1 India St. Providence
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
5 DAYS Firm
Date Due: 8/12/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RGSCA/RIDEM Criteria RIDEM RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: RCRA 8 for extraction

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | RCRA 8 for extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| L1934-11 | SB-174 (2-3') | 8/4/11 | 1422 | S | MP | X | | |
| 12 | SB-174 (3-4') | | 1422 | | | X | | |
| 13 | SB-173 (0-1') | | 1455 | | | X | | |
| 14 | SB-173 (1-2') | | 1455 | | | X | | |
| 15 | SB-173 (2-3') | | 1457 | | | X | | |
| 16 | SB-173 (3-4') | | 1457 | | | X | | |
| 17 | SB-173 (4-5') | | 1459 | | | X | HOLD | |
| 18 | SB-173 (5-6') | | 1459 | | | X | HOLD | |
| 19 | SB-172 (0-1') | | 1530 | | | X | | |
| 20 | SB-172 (1-2') | | 1530 | | | X | | |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 8/5/11 1730 | [signature] | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1111935 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER TOWING |
| Project Number: | C563-001.02 |
| Report Date: | 08/12/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111935
**Report Date:** 08/12/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1111935-01 | SB-172 (2-3') | 1 INDIA ST., PROVIDENCE | 08/04/11 15:32 |
| L1111935-02 | SB-172 (3-4') | 1 INDIA ST., PROVIDENCE | 08/04/11 15:32 |
| L1111935-03 | SB-172 (4-5') | 1 INDIA ST., PROVIDENCE | 08/04/11 15:34 |
| L1111935-04 | SB-172 (5-6') | 1 INDIA ST., PROVIDENCE | 08/04/11 15:34 |
| L1111935-05 | SB-171 (0-1') | 1 INDIA ST., PROVIDENCE | 08/04/11 15:50 |
| L1111935-06 | SB-171 (1-2') | 1 INDIA ST., PROVIDENCE | 08/04/11 15:50 |
| L1111935-07 | SB-171 (2-3') | 1 INDIA ST., PROVIDENCE | 08/04/11 15:52 |
| L1111935-08 | SB-171 (3-4') | 1 INDIA ST., PROVIDENCE | 08/04/11 15:52 |
| L1111935-09 | SB-169 (0-1') | 1 INDIA ST., PROVIDENCE | 08/05/11 08:40 |
| L1111935-10 | SB-169 (1-2') | 1 INDIA ST., PROVIDENCE | 08/05/11 08:40 |
| L1111935-11 | SB-169 (2-3') | 1 INDIA ST., PROVIDENCE | 08/05/11 08:42 |
| L1111935-12 | SB-169 (3-4') | 1 INDIA ST., PROVIDENCE | 08/05/11 08:42 |
| L1111935-13 | SB-168 (0-1') | 1 INDIA ST., PROVIDENCE | 08/05/11 09:05 |
| L1111935-14 | SB-168 (1-2') | 1 INDIA ST., PROVIDENCE | 08/05/11 09:05 |
| L1111935-15 | SB-168 (2-3') | 1 INDIA ST., PROVIDENCE | 08/05/11 09:07 |
| L1111935-16 | SB-168 (3-4') | 1 INDIA ST., PROVIDENCE | 08/05/11 09:07 |
| L1111935-17 | SB-190 (0-1') | 1 INDIA ST., PROVIDENCE | 08/05/11 09:45 |
| L1111935-18 | SB-190 (1-2') | 1 INDIA ST., PROVIDENCE | 08/05/11 09:45 |
| L1111935-19 | SB-190 (2-3') | 1 INDIA ST., PROVIDENCE | 08/05/11 09:47 |
| L1111935-20 | SB-190 (3-4') | 1 INDIA ST., PROVIDENCE | 08/05/11 09:47 |

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111935 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCBs

L1111935-01, -05, -12, -17, -18 and -19 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1111935-06, -07 and -08 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilution required by the target compounds present in the samples.

The surrogate recoveries for L1111935-01, -05 through -08, -12, -17, -18 and -19 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons Elizabeth Simmons

Title: Technical Director/Representative Date: 08/12/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-01 D | Date Collected: | 08/04/11 15:32 |
| Client ID: | SB-172 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 17:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 354 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 354 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 354 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 354 | -- | 10 |
| Aroclor 1254 | 1860 | | ug/kg | 354 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 354 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 354 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 354 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-01 D | Date Collected: | 08/04/11 15:32 |
| Client ID: | SB-172 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 17:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 2540 | | ug/kg | 354 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-05 D | Date Collected: | 08/04/11 15:50 |
| Client ID: | SB-171 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 17:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1680 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1680 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1680 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1680 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1680 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1680 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-05 D | Date Collected: | 08/04/11 15:50 |
| Client ID: | SB-171 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 17:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 8980 | | ug/kg | 1680 | -- | 50 |
| Aroclor 1254 | 3980 | | ug/kg | 1680 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1680 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-06 D | Date Collected: | 08/04/11 15:50 |
| Client ID: | SB-171 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 17:47 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3710 | -- | 120 |
| Aroclor 1221 | ND | | ug/kg | 3710 | -- | 120 |
| Aroclor 1232 | ND | | ug/kg | 3710 | -- | 120 |
| Aroclor 1242 | ND | | ug/kg | 3710 | -- | 120 |
| Aroclor 1248 | 49200 | | ug/kg | 3710 | -- | 120 |
| Aroclor 1262 | ND | | ug/kg | 3710 | -- | 120 |
| Aroclor 1268 | ND | | ug/kg | 3710 | -- | 120 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-06 D | Date Collected: | 08/04/11 15:50 |
| Client ID: | SB-171 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 17:47 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 17400 | | ug/kg | 3710 | -- | 120 |
| Aroclor 1260 | ND | | ug/kg | 3710 | -- | 120 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-07 D | Date Collected: | 08/04/11 15:52 |
| Client ID: | SB-171 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 18:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 16100 | -- | 500 |
| Aroclor 1221 | ND | | ug/kg | 16100 | -- | 500 |
| Aroclor 1232 | ND | | ug/kg | 16100 | -- | 500 |
| Aroclor 1242 | ND | | ug/kg | 16100 | -- | 500 |
| Aroclor 1248 | 60200 | | ug/kg | 16100 | -- | 500 |
| Aroclor 1260 | ND | | ug/kg | 16100 | -- | 500 |
| Aroclor 1262 | ND | | ug/kg | 16100 | -- | 500 |
| Aroclor 1268 | ND | | ug/kg | 16100 | -- | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-07 D | Date Collected: | 08/04/11 15:52 |
| Client ID: | SB-171 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 18:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 19900 | | ug/kg | 16100 | -- | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-08 D | Date Collected: | 08/04/11 15:52 |
| Client ID: | SB-171 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 18:35 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 24500 | -- | 750 |
| Aroclor 1221 | ND | | ug/kg | 24500 | -- | 750 |
| Aroclor 1232 | ND | | ug/kg | 24500 | -- | 750 |
| Aroclor 1242 | ND | | ug/kg | 24500 | -- | 750 |
| Aroclor 1248 | 85600 | | ug/kg | 24500 | -- | 750 |
| Aroclor 1260 | ND | | ug/kg | 24500 | -- | 750 |
| Aroclor 1262 | ND | | ug/kg | 24500 | -- | 750 |
| Aroclor 1268 | ND | | ug/kg | 24500 | -- | 750 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-08 D | Date Collected: | 08/04/11 15:52 |
| Client ID: | SB-171 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/06/11 07:40 |
| Analytical Date: | 08/10/11 18:35 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/08/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 32600 | | ug/kg | 24500 | -- | 750 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-09 | Date Collected: | 08/05/11 08:40 |
| Client ID: | SB-169 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/09/11 18:35 |
| Analytical Date: | 08/11/11 01:35 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/10/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/10/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1248 | 46.0 | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-10 | Date Collected: | 08/05/11 08:40 |
| Client ID: | SB-169 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 22:14 |
| Analytical Date: | 08/10/11 01:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 47 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 64 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-11 | Date Collected: | 08/05/11 08:42 |
| Client ID: | SB-169 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 22:14 |
| Analytical Date: | 08/10/11 01:29 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-12 D | Date Collected: | 08/05/11 08:42 |
| Client ID: | SB-169 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 22:14 |
| Analytical Date: | 08/11/11 11:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 346 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 346 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 346 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 346 | -- | 10 |
| Aroclor 1248 | 1710 | | ug/kg | 346 | -- | 10 |
| Aroclor 1254 | 1330 | | ug/kg | 346 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 346 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 346 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 346 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-13 | Date Collected: | 08/05/11 09:05 |
| Client ID: | SB-168 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 22:14 |
| Analytical Date: | 08/10/11 01:55 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 79 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-14 | Date Collected: | 08/05/11 09:05 |
| Client ID: | SB-168 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 22:14 |
| Analytical Date: | 08/10/11 02:09 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 47 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 63 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-15 | Date Collected: | 08/05/11 09:07 |
| Client ID: | SB-168 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/10/11 02:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 45 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 66 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-16 | Date Collected: | 08/05/11 09:07 |
| Client ID: | SB-168 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/10/11 02:35 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1248 | 95.5 | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 |
| Decachlorobiphenyl | 82 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-16 | Date Collected: | 08/05/11 09:07 |
| Client ID: | SB-168 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/10/11 02:35 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 69.4 | | ug/kg | 35.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 |
| Decachlorobiphenyl | 82 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-17 D | Date Collected: | 08/05/11 09:45 |
| Client ID: | SB-190 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/11/11 11:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 99% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 649 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 649 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 649 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 649 | -- | 20 |
| Aroclor 1254 | 2110 | | ug/kg | 649 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 649 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 649 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 649 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-17 D | Date Collected: | 08/05/11 09:45 |
| Client ID: | SB-190 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/11/11 11:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 99% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 2660 | | ug/kg | 649 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-18 D | Date Collected: | 08/05/11 09:45 |
| Client ID: | SB-190 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/11/11 11:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1790 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1790 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1790 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1790 | -- | 50 |
| Aroclor 1254 | 5030 | | ug/kg | 1790 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1790 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1790 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1790 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-18 D | Date Collected: | 08/05/11 09:45 |
| Client ID: | SB-190 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/11/11 11:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 6800 | | ug/kg | 1790 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-19 D | Date Collected: | 08/05/11 09:47 |
| Client ID: | SB-190 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/11/11 12:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 69% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 480 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 480 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 480 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 480 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 480 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 480 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 480 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111935-19 D | Date Collected: | 08/05/11 09:47 |
| Client ID: | SB-190 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/11/11 12:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 69% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 2880 | | ug/kg | 480 | -- | 10 |
| Aroclor 1254 | 2280 | | ug/kg | 480 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 08/08/11 19:58
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 08/06/11 07:40
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/08/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/08/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01,05-08 Batch: WG483204-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.9 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 52 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 68 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111935

**Project Number:** C563-001.02 **Report Date:** 08/12/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 08/10/11 00:23
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 08/07/11 22:14
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/09/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/09/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 10-19 Batch: WG483256-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111935
**Report Date:** 08/12/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 08/11/11 01:51
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 08/09/11 18:35
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/10/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/10/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 09 Batch: WG483681-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111935
**Report Date:** 08/12/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01,05-08 Batch: WG483204-2 WG483204-3 | | | | | | | | |
| Aroclor 1016 | 76 | | 81 | | 40-140 | 6 | | 50 |
| Aroclor 1260 | 64 | | 62 | | 40-140 | 3 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 67 | | 30-150 |
| Decachlorobiphenyl | 46 | | 46 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 75 | | 30-150 |
| Decachlorobiphenyl | 58 | | 65 | | 30-150 |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 10-19 Batch: WG483256-2 WG483256-3 | | | | | | | | |
| Aroclor 1016 | 79 | | 88 | | 40-140 | 11 | | 50 |
| Aroclor 1260 | 79 | | 82 | | 40-140 | 4 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 82 | | 30-150 |
| Decachlorobiphenyl | 59 | | 58 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 90 | | 30-150 |
| Decachlorobiphenyl | 76 | | 76 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER TOWING

**Project Number:** C563-001.02

**Lab Number:** L1111935

**Report Date:** 08/12/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 09 Batch: WG483681-2 WG483681-3 | | | | | | | | |
| Aroclor 1016 | 96 | | 95 | | 40-140 | 1 | | 50 |
| Aroclor 1260 | 71 | | 76 | | 40-140 | 7 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 78 | | 30-150 |
| Decachlorobiphenyl | 65 | | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 90 | | 30-150 |
| Decachlorobiphenyl | 69 | | 74 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111935
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111935-01
Client ID: SB-172 (2-3')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil

Date Collected: 08/04/11 15:32
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111935
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111935-05
Client ID: SB-171 (0-1')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 15:50
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111935
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111935-06
Client ID: SB-171 (1-2')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 15:50
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111935
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111935-07
Client ID: SB-171 (2-3')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil

Date Collected: 08/04/11 15:52
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111935
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111935-08
Client ID: SB-171 (3-4')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 15:52
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111935
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111935-09
Client ID: SB-169 (0-1')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 08:40
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111935
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111935-10
Client ID: SB-169 (1-2')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 08:40
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111935
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111935-11
Client ID: SB-169 (2-3')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 08:42
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111935
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111935-12
Client ID: SB-169 (3-4')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 08:42
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111935
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111935-13
Client ID: SB-168 (0-1')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 09:05
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111935
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111935-14
Client ID: SB-168 (1-2')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 09:05
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111935
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111935-15
Client ID: SB-168 (2-3')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 09:07
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111935
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111935-16
Client ID: SB-168 (3-4')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 09:07
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111935
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111935-17
Client ID: SB-190 (0-1')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 09:45
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 99 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111935
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111935-18
Client ID: SB-190 (1-2')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 09:45
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111935
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111935-19
Client ID: SB-190 (2-3')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 09:47
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 69 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111935
**Report Date:** 08/12/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01,05-19 QC Batch ID: WG483399-1 QC Sample: L1111935-01 Client ID: SB-172 (2-3') | | | | | | |
| Solids, Total | 94 | 94 | % | 0 | | 20 |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111935
**Report Date:** 08/12/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1111935-01A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111935-03A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | HOLD(14) |
| L1111935-04A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | HOLD(14) |
| L1111935-04B | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | HOLD(14) |
| L1111935-04C | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | HOLD(14) |
| L1111935-05A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111935-06A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111935-07A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111935-08A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111935-09A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111935-10A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111935-11A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111935-12A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111935-13A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111935-14A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111935-15A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111935-16A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111935-17A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111935-18A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111935-19A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111935-20A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | HOLD(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111935 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

## GLOSSARY

### *Acronyms*

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### *Footnotes*

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111935 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111935 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised July 28, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 9 OF 14

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 8/5/11

ALPHA Job #: L1111935

## Client Information

Client: ESS Group
Address: 401 Wampanoag Trail
E. Providence, RI 02914
Phone: 401-434-5560
Fax: 401-434-8158
Email: kfurdy@essgroup.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: McAllister Towing
Project Location: 1 India St. Providence
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
5 DAYS FIRM
Date Due: 8/12/11 Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program RI DEM/RIDEM Criteria RIDEM RDEC

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCBs by SOX extraction

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs by SOX extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| L1935 1 | SB-172 (2-3') | 8/4/11 | 1532 | S | MP | X | | |
| 2 | ~~SB-172 (3-4')~~ | | 1532 | | | X | MS 8/8/11 | |
| 3 | SB-172 (4-5') | | 1534 | | | X | HOLD | |
| 4 | SB-172 (5-6') | | 1534 | | | X | HOLD | |
| 5 | SB-171 (0-1') | | 1550 | | | X | | |
| 6 | SB-171 (1-2') | | 1550 | | | X | | |
| 7 | SB-171 (2-3') | | 1552 | | | X | | |
| 8 | SB-171 (3-4') | | 1552 | | | X | | |
| 9 | SB-169 (0-1') | 8/5/11 | 0840 | | | X | | |
| 10 | SB-169 (1-2') | | 0840 | | | X | | |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 8/5/11 1730 | [signature] | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 10 OF 14

Date Rec'd in Lab: 8/5/11

ALPHA Job #: L1111935

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group
Address: 401 Wampanoag Trail
E. Providence, RI 02914
Phone: 401-434-5560
Fax: 401-434-8158
Email: kpurdy@essgroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister Towing
Project Location: 1 India St. Providence
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
5 days Firm
Date Due: 8/12/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program TSCA/RIDEM Criteria RIDEM RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**
*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB w/ SOX extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 11935 11 | SB-169 (2-3') | 8/5/11 | 0842 | S | MP | X | | |
| 12 | SB-169 (3-4') | | 0842 | | | X | | |
| 13 | SB-168 (0-1') | | 0905 | | | X | | |
| 14 | SB-168 (1-2') | | 0905 | | | X | | |
| 15 | SB-168 (2-3') | | 0907 | | | X | | |
| 16 | SB-168 (3-4') | | 0907 | | | X | | |
| 17 | SB-190 (0-1') | | 0945 | | | X | | |
| 18 | SB-190 (1-2') | | 0945 | | | X | | |
| 19 | SB-190 (2-3') | | 0947 | | | X | | |
| 20 | SB-190 (3-4') | | 0947 | | | X | HOLD | |

| | |
|---|---|
| Container Type | A |
| Preservative | A |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Emma Sherer | 3 pm 8/5/11 | [signature] | 8/5/11 1500 |
| [signature] | 8/5/11 1730 | [signature] | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 14 OF 14

Date Rec'd in Lab: 8/5/11

ALPHA Job #: L1111935

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group
Address: 401 Wampanoag trail
E. Providence, RI 02915
Phone: 401-434-5560
Fax: 401-434-8158
Email: KPURDY@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: Mcallister Towing
Project Location: 1 India St. Providence
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
5 DAYS FIRM
Date Due: 8/12/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program TSCA/RIDEM Criteria RIDEM RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCBW/SOX Extraction

SAMPLE HANDLING
Filtration_____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBW/SOX Extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 11935 | SB-181-MSD (2-3') | 8/4/11 | 0951 | S | MP | X | | |
| | SB-176-MS (4-5') | | 1300 | | | X | | |
| | SB-176-MSD (4-5') | | 1300 | | | X | | |
| | SB-5176 (2-3') | | 1258 | | | X | | |
| 4 | SB-172-MS (5-6') | | 1535 | | | X | | |
| 4 | SB-172-MSD (5-6') | | 1535 | | | X | | |
| | SB-5172 (1-2') | | 1531 | | | X | | |
| | SB-184-MS (2-3') | 8/5/11 | 1015 | | | X | | |
| | SB-184-MSD (2-3') | | 1015 | | | X | | |
| | SB-5184 (1-2) | | 1013 | | | X | | |

| | |
|---|---|
| Container Type | A |
| Preservative | A |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 3pm 8/5/11 | [signature] | 8/5/11 1500 |
| [signature] | 8/5/11 1730 | [signature] | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1111936 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER TOWING |
| Project Number: | C563-001.02 |
| Report Date: | 08/12/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111936
**Report Date:** 08/12/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1111936-01 | SB-191 (0-1') | 1 INDIA ST., PROVIDENCE | 08/05/11 11:40 |
| L1111936-02 | SB-191 (1-2') | 1 INDIA ST., PROVIDENCE | 08/05/11 11:40 |
| L1111936-03 | SB-191 (2-3') | 1 INDIA ST., PROVIDENCE | 08/05/11 11:45 |
| L1111936-04 | SB-191 (3-4') | 1 INDIA ST., PROVIDENCE | 08/05/11 11:45 |
| L1111936-05 | SB-192 (0-1') | 1 INDIA ST., PROVIDENCE | 08/05/11 11:25 |
| L1111936-06 | SB-192 (1-2') | 1 INDIA ST., PROVIDENCE | 08/05/11 11:25 |
| L1111936-07 | SB-192 (2-3') | 1 INDIA ST., PROVIDENCE | 08/05/11 11:27 |
| L1111936-08 | SB-192 (3-4') | 1 INDIA ST., PROVIDENCE | 08/05/11 11:27 |
| L1111936-09 | SB-193 (0-1') | 1 INDIA ST., PROVIDENCE | 08/05/11 11:12 |
| L1111936-10 | SB-193 (1-2') | 1 INDIA ST., PROVIDENCE | 08/05/11 11:12 |
| L1111936-11 | SB-193 (2-3') | 1 INDIA ST., PROVIDENCE | 08/05/11 11:14 |
| L1111936-12 | SB-193 (3-4') | 1 INDIA ST., PROVIDENCE | 08/05/11 11:14 |
| L1111936-13 | SB-187 (0-1') | 1 INDIA ST., PROVIDENCE | 08/05/11 10:40 |
| L1111936-14 | SB-187 (1-2') | 1 INDIA ST., PROVIDENCE | 08/05/11 10:40 |
| L1111936-15 | SB-187 (2-3') | 1 INDIA ST., PROVIDENCE | 08/05/11 10:42 |
| L1111936-16 | SB-187 (3-4') | 1 INDIA ST., PROVIDENCE | 08/05/11 10:42 |
| L1111936-17 | SB-188 (0-1') | 1 INDIA ST., PROVIDENCE | 08/05/11 10:55 |
| L1111936-18 | SB-188 (1-2') | 1 INDIA ST., PROVIDENCE | 08/05/11 10:55 |
| L1111936-19 | SB-188 (2-3') | 1 INDIA ST., PROVIDENCE | 08/05/11 10:57 |
| L1111936-20 | SB-188 (3-4') | 1 INDIA ST., PROVIDENCE | 08/05/11 10:57 |
| L1111936-21 | SB-184 (0-1') | 1 INDIA ST., PROVIDENCE | 08/05/11 10:12 |
| L1111936-22 | SB-184 (1-2') | 1 INDIA ST., PROVIDENCE | 08/05/11 10:12 |
| L1111936-23 | SB-184 (2-3') | 1 INDIA ST., PROVIDENCE | 08/05/11 10:14 |
| L1111936-24 | SB-184 (3-4') | 1 INDIA ST., PROVIDENCE | 08/05/11 10:14 |
| L1111936-25 | SB-185 (0-1') | 1 INDIA ST., PROVIDENCE | 08/05/11 10:00 |
| L1111936-26 | SB-185 (1-2') | 1 INDIA ST., PROVIDENCE | 08/05/11 10:00 |
| L1111936-27 | SB-185 (2-3') | 1 INDIA ST., PROVIDENCE | 08/05/11 10:02 |
| L1111936-28 | SB-185 (3-4') | 1 INDIA ST., PROVIDENCE | 08/05/11 10:02 |
| L1111936-29 | SB-5181 (0-1') | 1 INDIA ST., PROVIDENCE | 08/04/11 09:51 |
| L1111936-30 | SB-5176 (2-3') | 1 INDIA ST., PROVIDENCE | 08/04/11 12:58 |
| L1111936-31 | SB-5172 (1-2') | 1 INDIA ST., PROVIDENCE | 08/04/11 15:31 |

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1111936-32 | SB-5184 (1-2) | 1 INDIA ST., PROVIDENCE | 08/05/11 10:13 |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L1111936-02, -03, -05, -06, -07, -09, -10, -21, -25 and -31 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1111936-30 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the target compounds present in the sample.

The surrogate recoveries for L1111936-02, -05, -06, -21, -25, -30 and -31 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all 0%) due to the dilution required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons Elizabeth Simmons

Title: Technical Director/Representative Date: 08/12/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-01 | Date Collected: | 08/05/11 11:40 |
| Client ID: | SB-191 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/10/11 03:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1248 | 110 | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 |
| Decachlorobiphenyl | 90 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-01 | Date Collected: | 08/05/11 11:40 |
| Client ID: | SB-191 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/10/11 03:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 186 | | ug/kg | 33.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 |
| Decachlorobiphenyl | 90 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-02 D | Date Collected: | 08/05/11 11:40 |
| Client ID: | SB-191 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/11/11 19:13 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 333 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 333 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 333 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 333 | -- | 10 |
| Aroclor 1248 | 822 | | ug/kg | 333 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 333 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 333 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 333 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-02 D | Date Collected: | 08/05/11 11:40 |
| Client ID: | SB-191 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/11/11 19:13 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 1010 | | ug/kg | 333 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-03 D | Date Collected: | 08/05/11 11:45 |
| Client ID: | SB-191 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/11/11 13:17 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 174 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 174 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 174 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 174 | -- | 5 |
| Aroclor 1248 | 768 | | ug/kg | 174 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 174 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 174 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 174 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 72 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-03 D | Date Collected: | 08/05/11 11:45 |
| Client ID: | SB-191 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/11/11 13:17 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 694 | | ug/kg | 174 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 72 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-05 D | Date Collected: | 08/05/11 11:25 |
| Client ID: | SB-192 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/11/11 12:38 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 335 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 335 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 335 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 335 | -- | 10 |
| Aroclor 1248 | 1630 | | ug/kg | 335 | -- | 10 |
| Aroclor 1254 | 1880 | | ug/kg | 335 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 335 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 335 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 335 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-06 D | Date Collected: | 08/05/11 11:25 |
| Client ID: | SB-192 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/11/11 12:51 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 337 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 337 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 337 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 337 | -- | 10 |
| Aroclor 1248 | 2530 | | ug/kg | 337 | -- | 10 |
| Aroclor 1254 | 2460 | | ug/kg | 337 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 337 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 337 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 337 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-07 D | Date Collected: | 08/05/11 11:27 |
| Client ID: | SB-192 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/11/11 13:04 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 170 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 170 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 170 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 170 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 170 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 170 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 170 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 111 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-07 D | Date Collected: | 08/05/11 11:27 |
| Client ID: | SB-192 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/11/11 13:04 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 916 | | ug/kg | 170 | -- | 5 |
| Aroclor 1254 | 880 | | ug/kg | 170 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 111 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-09 D | Date Collected: | 08/05/11 11:12 |
| Client ID: | SB-193 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/11/11 13:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 169 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 169 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 169 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 169 | -- | 5 |
| Aroclor 1254 | 2860 | | ug/kg | 169 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 169 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 169 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 169 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 86 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 130 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-09 D | Date Collected: | 08/05/11 11:12 |
| Client ID: | SB-193 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/11/11 13:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 4200 | | ug/kg | 169 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 86 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 130 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-10 D | Date Collected: | 08/05/11 11:12 |
| Client ID: | SB-193 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/11/11 19:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 170 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 170 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 170 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 170 | -- | 5 |
| Aroclor 1248 | 876 | | ug/kg | 170 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 170 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 170 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 170 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 |
| Decachlorobiphenyl | 98 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 98 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-10 D | Date Collected: | 08/05/11 11:12 |
| Client ID: | SB-193 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/11/11 19:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 887 | | ug/kg | 170 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 |
| Decachlorobiphenyl | 98 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 98 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-11 | Date Collected: | 08/05/11 11:14 |
| Client ID: | SB-193 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/10/11 05:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 |
| Decachlorobiphenyl | 108 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-11 | Date Collected: | 08/05/11 11:14 |
| Client ID: | SB-193 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/10/11 05:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 262 | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1254 | 241 | | ug/kg | 35.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 |
| Decachlorobiphenyl | 108 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-13 | Date Collected: | 08/05/11 10:40 |
| Client ID: | SB-187 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:00 |
| Analytical Date: | 08/10/11 05:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1248 | 249 | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1254 | 258 | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-14 | Date Collected: | 08/05/11 10:40 |
| Client ID: | SB-187 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 13:55 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 108 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-14 | Date Collected: | 08/05/11 10:40 |
| Client ID: | SB-187 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 13:55 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 37.9 | | ug/kg | 33.4 | -- | 1 |
| Aroclor 1260 | 47.4 | | ug/kg | 33.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 108 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-15 | Date Collected: | 08/05/11 10:42 |
| Client ID: | SB-187 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 14:08 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 97 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 105 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-17 | Date Collected: | 08/05/11 10:55 |
| Client ID: | SB-188 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 14:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1248 | 472 | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1254 | 559 | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 91 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 106 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-17 | Date Collected: | 08/05/11 10:55 |
| Client ID: | SB-188 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 14:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1260 | 150 | | ug/kg | 33.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 91 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 106 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-18 | Date Collected: | 08/05/11 10:55 |
| Client ID: | SB-188 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 14:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.0 | -- | 1 |
| Aroclor 1248 | 240 | | ug/kg | 33.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 |
| Decachlorobiphenyl | 66 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-18 | Date Collected: | 08/05/11 10:55 |
| Client ID: | SB-188 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 14:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1254 | 305 | | ug/kg | 33.0 | -- | 1 |
| Aroclor 1260 | 112 | | ug/kg | 33.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 |
| Decachlorobiphenyl | 66 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-19 | Date Collected: | 08/05/11 10:57 |
| Client ID: | SB-188 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 14:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1248 | 487 | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1254 | 533 | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1260 | 127 | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 106 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-21 D | Date Collected: | 08/05/11 10:12 |
| Client ID: | SB-184 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/11/11 11:18 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 165 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 165 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 165 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 165 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 165 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 165 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 165 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-21 D | Date Collected: | 08/05/11 10:12 |
| Client ID: | SB-184 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/11/11 11:18 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 633 | | ug/kg | 165 | -- | 5 |
| Aroclor 1254 | 513 | | ug/kg | 165 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-22 | Date Collected: | 08/05/11 10:12 |
| Client ID: | SB-184 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 15:09 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1248 | 299 | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1254 | 353 | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 100 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-22 | Date Collected: | 08/05/11 10:12 |
| Client ID: | SB-184 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 15:09 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1260 | 142 | | ug/kg | 33.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 100 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-23 | Date Collected: | 08/05/11 10:14 |
| Client ID: | SB-184 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 15:21 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1248 | 211 | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1254 | 211 | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 99 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 111 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-23 | Date Collected: | 08/05/11 10:14 |
| Client ID: | SB-184 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 15:21 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1260 | 120 | | ug/kg | 34.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 99 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 111 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-25 D | Date Collected: | 08/05/11 10:00 |
| Client ID: | SB-185 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 15:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 678 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 678 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 678 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 678 | -- | 20 |
| Aroclor 1248 | 1840 | | ug/kg | 678 | -- | 20 |
| Aroclor 1254 | 2090 | | ug/kg | 678 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 678 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 678 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 678 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-26 | Date Collected: | 08/05/11 10:00 |
| Client ID: | SB-185 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 15:46 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1248 | 348 | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1254 | 441 | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 |
| Decachlorobiphenyl | 66 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 68 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-26 | Date Collected: | 08/05/11 10:00 |
| Client ID: | SB-185 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 15:46 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1260 | 82.1 | | ug/kg | 34.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 |
| Decachlorobiphenyl | 66 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 68 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-27 | Date Collected: | 08/05/11 10:02 |
| Client ID: | SB-185 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 15:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1248 | 348 | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1254 | 482 | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-27 | Date Collected: | 08/05/11 10:02 |
| Client ID: | SB-185 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 15:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1260 | 95.7 | | ug/kg | 33.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-29 | Date Collected: | 08/04/11 09:51 |
| Client ID: | SB-5181 (0-1') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 16:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 99% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 31.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 31.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 52 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-30 D | Date Collected: | 08/04/11 12:58 |
| Client ID: | SB-5176 (2-3') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 16:23 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1340 | -- | 40 |
| Aroclor 1221 | ND | | ug/kg | 1340 | -- | 40 |
| Aroclor 1232 | ND | | ug/kg | 1340 | -- | 40 |
| Aroclor 1242 | ND | | ug/kg | 1340 | -- | 40 |
| Aroclor 1248 | 6450 | | ug/kg | 1340 | -- | 40 |
| Aroclor 1254 | 5310 | | ug/kg | 1340 | -- | 40 |
| Aroclor 1260 | ND | | ug/kg | 1340 | -- | 40 |
| Aroclor 1262 | ND | | ug/kg | 1340 | -- | 40 |
| Aroclor 1268 | ND | | ug/kg | 1340 | -- | 40 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-31 D | Date Collected: | 08/04/11 15:31 |
| Client ID: | SB-5172 (1-2') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 16:35 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 572 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 572 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 572 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 572 | -- | 20 |
| Aroclor 1248 | 2200 | | ug/kg | 572 | -- | 20 |
| Aroclor 1254 | 2430 | | ug/kg | 572 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 572 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 572 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 572 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-32 | Date Collected: | 08/05/11 10:13 |
| Client ID: | SB-5184 (1-2) | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 16:48 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1248 | 321 | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1111936-32 | Date Collected: | 08/05/11 10:13 |
| Client ID: | SB-5184 (1-2) | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST., PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/07/11 00:30 |
| Analytical Date: | 08/10/11 16:48 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/09/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1254 | 422 | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1260 | 125 | | ug/kg | 34.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1111936

**Project Number:** C563-001.02 **Report Date:** 08/12/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 08/10/11 00:23
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 08/07/11 22:14
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/09/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/09/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-03,05-07,09-11,13 Batch: WG483256-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111936
**Report Date:** 08/12/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 08/10/11 00:28
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 08/07/11 00:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/09/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/09/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 14-15,17-19,21-23,25-27,29-32 Batch: WG483257-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 |
| Decachlorobiphenyl | 100 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111936
**Report Date:** 08/12/11

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 14-15,17-19,21-23,25-27,29-32 QC Batch ID: WG483257-4 WG483257-5 QC Sample: L1111936-23 Client ID: SB-184 (2-3') | | | | | | | | | | | | |
| Aroclor 1016 | ND | 215 | 269 | 125 | | 247 | 114 | | 40-140 | 9 | | 50 |
| Aroclor 1260 | 120 | 215 | 373 | 118 | | 322 | 93 | | 40-140 | 15 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 76 | | 30-150 |
| Decachlorobiphenyl | 101 | | 94 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 79 | | 30-150 |
| Decachlorobiphenyl | 107 | | 109 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111936
**Report Date:** 08/12/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-03,05-07,09-11,13 Batch: WG483256-2 WG483256-3 | | | | | | | | |
| Aroclor 1016 | 79 | | 88 | | 40-140 | 11 | | 50 |
| Aroclor 1260 | 79 | | 82 | | 40-140 | 4 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 82 | | 30-150 |
| Decachlorobiphenyl | 59 | | 58 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 90 | | 30-150 |
| Decachlorobiphenyl | 76 | | 76 | | 30-150 |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 14-15,17-19,21-23,25-27,29-32 Batch: WG483257-2 WG483257-3 | | | | | | | | |
| Aroclor 1016 | 101 | | 99 | | 40-140 | 2 | | 50 |
| Aroclor 1260 | 98 | | 99 | | 40-140 | 1 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 90 | | 30-150 |
| Decachlorobiphenyl | 96 | | 95 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 90 | | 30-150 |
| Decachlorobiphenyl | 93 | | 94 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-01
Client ID: SB-191 (0-1')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 11:40
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-02
Client ID: SB-191 (1-2')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 11:40
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-03
Client ID: SB-191 (2-3')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 11:45
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-05
Client ID: SB-192 (0-1')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 11:25
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 08/08/11 13:31 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-06
Client ID: SB-192 (1-2')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil

Date Collected: 08/05/11 11:25
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-07
Client ID: SB-192 (2-3')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 11:27
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-09
Client ID: SB-193 (0-1')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil

Date Collected: 08/05/11 11:12
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-10
Client ID: SB-193 (1-2')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 11:12
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-11
Client ID: SB-193 (2-3')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 11:14
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-13
Client ID: SB-187 (0-1')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 10:40
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-14
Client ID: SB-187 (1-2')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 10:40
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-15
Client ID: SB-187 (2-3')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 10:42
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-17
Client ID: SB-188 (0-1')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 10:55
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-18
Client ID: SB-188 (1-2')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 10:55
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-19
Client ID: SB-188 (2-3')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil

Date Collected: 08/05/11 10:57
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-21
Client ID: SB-184 (0-1')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 10:12
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-22
Client ID: SB-184 (1-2')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil

Date Collected: 08/05/11 10:12
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-23
Client ID: SB-184 (2-3')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 10:14
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-25
Client ID: SB-185 (0-1')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 10:00
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-26
Client ID: SB-185 (1-2')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 10:00
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-27
Client ID: SB-185 (2-3')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil

Date Collected: 08/05/11 10:02
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-29
Client ID: SB-5181 (0-1')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil

Date Collected: 08/04/11 09:51
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 99 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-30
Client ID: SB-5176 (2-3')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 12:58
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-31
Client ID: SB-5172 (1-2')
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 15:31
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 08/08/11 14:52 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1111936
**Report Date:** 08/12/11

## SAMPLE RESULTS

Lab ID: L1111936-32
Client ID: SB-5184 (1-2)
Sample Location: 1 INDIA ST., PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 10:13
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/08/11 16:34 | 30,2540G | MD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111936
**Report Date:** 08/12/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-03,05 QC Batch ID: WG483399-1 QC Sample: L1111935-01 Client ID: DUP Sample | | | | | | |
| Solids, Total | 94 | 94 | % | 0 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 06-07,09-11,13-15,17-19,21-23,25-27,29-3 QC Batch ID: WG483422-1 QC Sample: L1111936-23 Client ID: SB-184 (2-3') | | | | | | |
| Solids, Total | 94 | 94 | % | 0 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 32 QC Batch ID: WG483450-1 QC Sample: L1111941-02 Client ID: DUP Sample | | | | | | |
| Solids, Total | 82 | 86 | % | 5 | | 20 |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111936
**Report Date:** 08/12/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1111936-01A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-02A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-03A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-04A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | HOLD(14) |
| L1111936-05A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-06A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-07A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-08A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | HOLD(14) |
| L1111936-09A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-10A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-11A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-12A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | HOLD(14) |
| L1111936-13A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-14A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-15A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-16A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | HOLD(14) |
| L1111936-17A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-18A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-19A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-20A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | HOLD(14) |
| L1111936-21A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-22A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-23A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-23B | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-23C | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-24A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | HOLD(14) |
| L1111936-25A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1111936
**Report Date:** 08/12/11

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1111936-26A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-27A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-28A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | HOLD(14) |
| L1111936-29A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-30A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-31A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1111936-32A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111936 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

## GLOSSARY

### *Acronyms*

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### *Footnotes*

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111936 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1111936 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/12/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised July 28, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 11 OF 14

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 8/5/11

ALPHA Job #: L1111936

## Client Information

Client: ESS Group
Address: 401 Wampanoag Trail
E. Providence, RI 02914
Phone: 401-434-5560
Fax: 401-434-8158
Email: KPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: McAllister Towing
Project Location: 1 India St. Providence
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

## Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 8/12/11 Time:

## Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program: TSCA/RIDEM Criteria: RIDEM RDEC

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB w/ SOX extraction

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB w/ SOX extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 11936-1 | SB-191 (0-1') | 8/5/11 | 1140 | S | MP | X | | |
| 2 | SB-191 (1-2') | | 1140 | | | X | | |
| 3 | SB-191 (2-3') | | 1145 | | | X | | |
| 4 | SB-191 (3-4') | | 1145 | | | X | HOLD | |
| 5 | SB-192 (0-1') | | 1125 | | | X | | |
| 6 | SB-192 (1-2') | | 1125 | | | X | | |
| 7 | SB-192 (2-3') | | 1127 | | | X | | |
| 8 | SB-192 (3-4') | | 1127 | | | X | HOLD | |
| 9 | SB-193 (0-1') | | 1112 | | | X | | |
| 10 | SB-193 (1-2') | | 1112 | | | X | | |
| | Container Type | | | | | A | | |
| | Preservative | | | | | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Emily Shuman | 4pm 8/5/11 | Lee Walsh | 8/5/11 1500 |
| Lee Walsh | 8/5/11 1730 | Paul Thuong | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 12 OF 14

Date Rec'd in Lab: 8/5/11

ALPHA Job #: L1111936


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: ESS Group
Address: 401 Wampanoag trail
E. Providence, RI 02914
Phone: 401-434-5560
Fax: 401-434-8158
Email: Klundy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister Towing
Project Location: 1 India St. Providence
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
5 DAYS Firm
Date Due: 8/12/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program TSCA/RIDEM Criteria RIDEM RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCBs w/ SOX fractionation

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs w/ SOX fractionation | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| L1936 11 | SB-193 (2-3') | 8/5/11 | 1114 | S | MP | X | | |
| 12 | SB-193 (3-4') | | 1114 | | | X | HOLD | |
| 13 | SB-187 (0-1') | | 1040 | | | X | | |
| 14 | SB-187 (1-2') | | 1040 | | | X | | |
| 15 | SB-187 (2-3') | | 1042 | | | X | | |
| 16 | SB-187 (3-4') | | 1042 | | | X | HOLD | |
| 17 | SB-188 (0-1') | | 1055 | | | X | | |
| 18 | SB-188 (1-2') | | 1055 | | | X | | |
| 19 | SB-188 (2-3') | | 1057 | | | X | | |
| 20 | SB-188 (3-4') | ↓ | 1057 | ↓ | ↓ | X | HOLD | |
| | | | | | Container Type | A | | |
| | | | | | Preservative | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 3pm 8/5/11 | | 8/5/11 1500 |
| | 8/5/11 1730 | | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

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# CHAIN OF CUSTODY

PAGE 13 OF 14

Date Rec'd in Lab: 8/5/11

ALPHA Job #: 1111936

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group
Address: 401 Wampanoag trail
E. Providence, RI 02914
Phone: 401-434-5560
Fax: 401-434-8158
Email: kfurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister Towing
Project Location: 1 India St. Providence
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
5 DAYS FIRM
Date Due: 8/12/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program TSCA/RIDEM Criteria RIDEM RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**
*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBs/SOX extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 11936 21 | SB-184(0-1') | 8/5/11 | 1012 | S | MP | X | | |
| 22 | SB-184(1-2') | ↓ | 1012 | ↓ | ↓ | X | | |
| 23 | SB-184(2-3') | ↓ | 1014 | ↓ | ↓ | X | | |
| 24 | SB-184(3-4') | ↓ | 1014 | ↓ | ↓ | X | HOLD | |
| 25 | SB-185(0-1') | ↓ | 1000 | ↓ | ↓ | X | | |
| 26 | SB-185(1-2') | ↓ | 1000 | ↓ | ↓ | X | | |
| 27 | SB-185(2-3') | ↓ | 1002 | ↓ | ↓ | X | | |
| 28 | SB-185(3-4') | ↓ | 1002 | ↓ | ↓ | X | HOLD | |
| 29 | SB-5181(0-1') | 8/4/11 | 0951 | ↓ | ↓ | X | | |
| | SB-181-MS(2-3') | ↓ | 0951 | ↓ | ↓ | X | | |
| | | | | | Container Type | A | | |
| | | | | | Preservative | A | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 3 pm 8/5/11 | [signature] | 8/5/11 1500 |
| [signature] | 8/5/11 | | |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 14 OF 14

ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

**Client Information**

Client: ESS Group
Address: 401 Wampanoag trail
E. Providence, RI 02915
Phone: 401-434-5560
Fax: 401-434-8158
Email: KPURDY@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: Mcallister Towing
Project Location: 1 India St. Providence
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
5 DAYS FIRM
Date Due: 8/12/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program TSCA/RIDEM Criteria RIDEM RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCBW/SOX Extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 11936 | SB-181-MSD (2-3') | 8/4/11 | 0951 | S | MP | X | | |
| | SB-176-MS (4-5') | ↓ | 1300 | ↓ | ↓ | X | | |
| | SB-176-MSD (4-5') | ↓ | 1300 | ↓ | ↓ | X | | |
| 30 | SB-5176 (2-3') | ↓ | 1258 | ↓ | ↓ | X | | |
| | SB-172-MS (5-6') | ↓ | 1535 | ↓ | ↓ | X | | |
| | SB-172-MSD (5-6') | ↓ | 1535 | ↓ | ↓ | X | | |
| 31 | SB-5172 (1-2') | ↓ | 1531 | ↓ | ↓ | X | | |
| 23 | SB-184-MS (2-3') | 8/5/11 | 1015 | ↓ | ↓ | X | | |
| 23 | SB-184-MSD (2-3') | ↓ | 1015 | ↓ | ↓ | X | | |
| 32 | SB-5184 (1-2) | ↓ | 1013 | ↓ | ↓ | X | | |

| | |
|---|---|
| Container Type | A |
| Preservative | A |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 3pm 8/5/11 | [signature] | 8/5/11 1530 |
| [signature] | 8/5/11 1730 | [signature] | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1112519 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER TOWING |
| Project Number: | C563-001.02 |
| Report Date: | 08/24/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1112519
**Report Date:** 08/24/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1112519-01 | SB-143A (6-7') | 1 INDIA ST. PROVIDENCE | 08/04/11 15:12 |
| L1112519-02 | SB-143A (7-8') | 1 INDIA ST. PROVIDENCE | 08/04/11 15:12 |
| L1112519-03 | SB-173 (4-5') | 1 INDIA ST. PROVIDENCE | 08/04/11 14:59 |
| L1112519-04 | SB-173 (5-6') | 1 INDIA ST. PROVIDENCE | 08/04/11 14:59 |
| L1112519-05 | SB-172 (4-5') | 1 INDIA ST. PROVIDENCE | 08/04/11 15:34 |
| L1112519-06 | SB-172 (5-6') | 1 INDIA ST. PROVIDENCE | 08/04/11 15:34 |
| L1112519-07 | SB-190 (3-4') | 1 INDIA ST. PROVIDENCE | 08/05/11 09:47 |
| L1112519-08 | SB-176 (4-5') | 1 INDIA ST. PROVIDENCE | 08/04/11 12:59 |
| L1112519-09 | SB-176 (5-6') | 1 INDIA ST. PROVIDENCE | 08/04/11 12:59 |
| L1112519-10 | SB-176 (6-7') | 1 INDIA ST. PROVIDENCE | 08/04/11 13:01 |
| L1112519-11 | SB-176 (7-8') | 1 INDIA ST. PROVIDENCE | 08/04/11 13:01 |
| L1112519-12 | SB-191 (3-4') | 1 INDIA ST. PROVIDENCE | 08/05/11 11:45 |
| L1112519-13 | SB-192 (3-4') | 1 INDIA ST. PROVIDENCE | 08/05/11 11:27 |
| L1112519-14 | SB-188 (3-4') | 1 INDIA ST. PROVIDENCE | 08/05/11 10:57 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519
**Project Number:** C563-001.02 **Report Date:** 08/24/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L1112519-05 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the target compounds present in the sample.

L1112519-06 and -07 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L1112519-05 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

The surrogate recovery for L1112519-08 is outside the individual acceptance criteria for Decachlorobiphenyl (156%), but within the overall method allowances. The results of the original analysis are reported; however, all associated compounds are considered to have a potential bias.

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1112519 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/24/11 |

**Case Narrative (continued)**

The dual column RPD for L1112519-12 is above the acceptance criteria for Aroclor 1248; however, no obvious column interferences are present. The higher of the two results is reported and qualified with a "P".

The WG485167-5 MSD recovery, performed on L1112519-06, was above the acceptance criteria for Aroclor 1016 (149%); however, the associated LCS/LCSD recoveries were within criteria.

The WG485167-6/-7 MS/MSD RPD, performed on L1112519-08, is above the acceptance criteria for Aroclor 1016 (59%).

The surrogate recoveries for the WG485167-7 MSD, performed on L1112519-08, are above the acceptance criteria for Decachlorobiphenyl (161%/172%). The associated MSD spike compounds are within overall acceptance criteria; therefore, no further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 08/24/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1112519-01 | Date Collected: | 08/04/11 15:12 |
| Client ID: | SB-143A (6-7') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/18/11 00:36 |
| Analytical Date: | 08/23/11 09:17 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/22/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/22/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 |
| Decachlorobiphenyl | 63 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 52 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1112519-02 | Date Collected: | 08/04/11 15:12 |
| Client ID: | SB-143A (7-8') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/18/11 00:36 |
| Analytical Date: | 08/24/11 10:38 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/22/11 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/22/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 32.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 32.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 32.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 32.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 32.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 32.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 32.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 32.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1112519-03 | Date Collected: | 08/04/11 14:59 |
| Client ID: | SB-173 (4-5') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/18/11 00:36 |
| Analytical Date: | 08/23/11 09:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/22/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/22/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1248 | 459 | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1254 | 462 | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 44 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1112519-04 | Date Collected: | 08/04/11 14:59 |
| Client ID: | SB-173 (5-6') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/18/11 00:36 |
| Analytical Date: | 08/23/11 09:54 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/22/11 |
| Percent Solids: | 72% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/22/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 44.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 44.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 44.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 44.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 44.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 44.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 44.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 44.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 44.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1112519-05 D | Date Collected: | 08/04/11 15:34 |
| Client ID: | SB-172 (4-5') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/18/11 00:36 |
| Analytical Date: | 08/23/11 13:30 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/22/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/22/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 858 | -- | 25 |
| Aroclor 1221 | ND | | ug/kg | 858 | -- | 25 |
| Aroclor 1232 | ND | | ug/kg | 858 | -- | 25 |
| Aroclor 1242 | ND | | ug/kg | 858 | -- | 25 |
| Aroclor 1248 | 5490 | | ug/kg | 858 | -- | 25 |
| Aroclor 1254 | 2630 | | ug/kg | 858 | -- | 25 |
| Aroclor 1260 | ND | | ug/kg | 858 | -- | 25 |
| Aroclor 1262 | ND | | ug/kg | 858 | -- | 25 |
| Aroclor 1268 | ND | | ug/kg | 858 | -- | 25 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1112519-06 D | Date Collected: | 08/04/11 15:34 |
| Client ID: | SB-172 (5-6') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/18/11 00:36 |
| Analytical Date: | 08/23/11 13:43 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/22/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/22/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 172 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 172 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 172 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 172 | -- | 5 |
| Aroclor 1254 | ND | | ug/kg | 172 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 172 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 172 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 172 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 45 | | 30-150 |
| Decachlorobiphenyl | 58 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 42 | | 30-150 |
| Decachlorobiphenyl | 46 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1112519-06 D | Date Collected: | 08/04/11 15:34 |
| Client ID: | SB-172 (5-6') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/18/11 00:36 |
| Analytical Date: | 08/23/11 13:43 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/22/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/22/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 890 | | ug/kg | 172 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 45 | | 30-150 |
| Decachlorobiphenyl | 58 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 42 | | 30-150 |
| Decachlorobiphenyl | 46 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1112519-07 D | Date Collected: | 08/05/11 09:47 |
| Client ID: | SB-190 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/18/11 00:36 |
| Analytical Date: | 08/24/11 10:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/22/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/22/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 174 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 174 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 174 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 174 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 174 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 174 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 174 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 37 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 35 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1112519-07 D | Date Collected: | 08/05/11 09:47 |
| Client ID: | SB-190 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/18/11 00:36 |
| Analytical Date: | 08/24/11 10:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/22/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/22/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 550 | | ug/kg | 174 | -- | 5 |
| Aroclor 1254 | 515 | | ug/kg | 174 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 37 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 35 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1112519-08 | Date Collected: | 08/04/11 12:59 |
| Client ID: | SB-176 (4-5') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/18/11 00:36 |
| Analytical Date: | 08/23/11 10:43 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/22/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/22/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 150 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 51 | | 30-150 |
| Decachlorobiphenyl | **156** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1112519-08 | Date Collected: | 08/04/11 12:59 |
| Client ID: | SB-176 (4-5') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/18/11 00:36 |
| Analytical Date: | 08/23/11 10:43 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/22/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/22/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1268 | 46.2 | | ug/kg | 35.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 150 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 51 | | 30-150 |
| Decachlorobiphenyl | **156** | Q | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1112519-09 | Date Collected: | 08/04/11 12:59 |
| Client ID: | SB-176 (5-6') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/18/11 03:21 |
| Analytical Date: | 08/23/11 10:55 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/22/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/22/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 30-150 |
| Decachlorobiphenyl | 103 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1112519-10 | Date Collected: | 08/04/11 13:01 |
| Client ID: | SB-176 (6-7') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/18/11 03:24 |
| Analytical Date: | 08/23/11 11:07 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/22/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/22/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 32.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 32.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 32.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 32.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 32.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 32.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 32.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 32.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 33 | | 30-150 |
| Decachlorobiphenyl | 33 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 34 | | 30-150 |
| Decachlorobiphenyl | 35 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1112519-11 | Date Collected: | 08/04/11 13:01 |
| Client ID: | SB-176 (7-8') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/18/11 03:25 |
| Analytical Date: | 08/23/11 11:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/22/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/22/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 106 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1112519-12 | Date Collected: | 08/05/11 11:45 |
| Client ID: | SB-191 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/18/11 03:28 |
| Analytical Date: | 08/23/11 11:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/22/11 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/22/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1248 | 194 | P | ug/kg | 38.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 32 | | 30-150 |
| Decachlorobiphenyl | 33 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 30 | | 30-150 |
| Decachlorobiphenyl | 36 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1112519-12 | Date Collected: | 08/05/11 11:45 |
| Client ID: | SB-191 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/18/11 03:28 |
| Analytical Date: | 08/23/11 11:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/22/11 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/22/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 116 | | ug/kg | 38.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 32 | | 30-150 |
| Decachlorobiphenyl | 33 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 30 | | 30-150 |
| Decachlorobiphenyl | 36 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1112519-13 | Date Collected: | 08/05/11 11:27 |
| Client ID: | SB-192 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/18/11 03:29 |
| Analytical Date: | 08/23/11 11:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/22/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/22/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1248 | 67.0 | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1254 | 76.2 | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 50 | | 30-150 |
| Decachlorobiphenyl | 52 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1112519-14 | Date Collected: | 08/05/11 10:57 |
| Client ID: | SB-188 (3-4') | Date Received: | 08/05/11 |
| Sample Location: | 1 INDIA ST. PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 08/18/11 03:30 |
| Analytical Date: | 08/23/11 11:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 08/20/11 |
| Percent Solids: | 97% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 08/20/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 32.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 32.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 32.7 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 32.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 32.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 32.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 32.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 32.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |

**Project Name:** MCALLISTER TOWING **Lab Number:** L1112519

**Project Number:** C563-001.02 **Report Date:** 08/24/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 08/23/11 12:09
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 08/18/11 00:36
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/22/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/22/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-14 Batch: WG485167-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 64 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 106 | | 30-150 |
| Decachlorobiphenyl | 94 | | 30-150 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1112519
**Report Date:** 08/24/11

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG485167-4 WG485167-5 QC Sample: L1112519-06 Client ID: SB-172 (5-6') | | | | | | | | | | | | |
| Aroclor 1016 | ND | 218 | 210 | 96 | | 312 | **149** | Q | 40-140 | 39 | | 50 |
| Aroclor 1260 | ND | 218 | 161 | 74 | | 126 | 60 | | 40-140 | 24 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 42 | | 30-150 |
| Decachlorobiphenyl | 62 | | 51 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 52 | | 44 | | 30-150 |
| Decachlorobiphenyl | 62 | | 57 | | 30-150 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1112519
**Report Date:** 08/24/11

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG485167-6 WG485167-7 QC Sample: L1112519-08 Client ID: SB-176 (4-5') | | | | | | | | | | | | |
| Aroclor 1016 | ND | 222 | 114 | 51 | | 114 | 53 | | 40-140 | **59** | Q | 50 |
| Aroclor 1260 | ND | 222 | 142 | 64 | | 169 | 78 | | 40-140 | 5 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 50 | | 30-150 |
| Decachlorobiphenyl | 88 | | **161** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 50 | | 49 | | 30-150 |
| Decachlorobiphenyl | 98 | | **172** | Q | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER TOWING

**Project Number:** C563-001.02

**Lab Number:** L1112519

**Report Date:** 08/24/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-14 Batch: WG485167-2 WG485167-3 | | | | | | | | |
| Aroclor 1016 | 71 | | 96 | | 40-140 | 30 | | 50 |
| Aroclor 1260 | 67 | | 74 | | 40-140 | 10 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 67 | | 30-150 |
| Decachlorobiphenyl | 64 | | 74 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 79 | | 30-150 |
| Decachlorobiphenyl | 67 | | 82 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1112519
**Report Date:** 08/24/11

## SAMPLE RESULTS

Lab ID: L1112519-01
Client ID: SB-143A (6-7')
Sample Location: 1 INDIA ST. PROVIDENCE
Matrix: Soil

Date Collected: 08/04/11 15:12
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 08/16/11 12:29 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1112519
**Report Date:** 08/24/11

## SAMPLE RESULTS

Lab ID: L1112519-02
Client ID: SB-143A (7-8')
Sample Location: 1 INDIA ST. PROVIDENCE
Matrix: Soil

Date Collected: 08/04/11 15:12
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96 | | % | 0.10 | NA | 1 | - | 08/16/11 12:29 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1112519
**Report Date:** 08/24/11

## SAMPLE RESULTS

Lab ID: L1112519-03
Client ID: SB-173 (4-5')
Sample Location: 1 INDIA ST. PROVIDENCE
Matrix: Soil

Date Collected: 08/04/11 14:59
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 08/16/11 14:07 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1112519
**Report Date:** 08/24/11

## SAMPLE RESULTS

Lab ID: L1112519-04
Client ID: SB-173 (5-6')
Sample Location: 1 INDIA ST. PROVIDENCE
Matrix: Soil

Date Collected: 08/04/11 14:59
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 72 | | % | 0.10 | NA | 1 | - | 08/16/11 14:07 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1112519
**Report Date:** 08/24/11

## SAMPLE RESULTS

Lab ID: L1112519-05
Client ID: SB-172 (4-5')
Sample Location: 1 INDIA ST. PROVIDENCE
Matrix: Soil

Date Collected: 08/04/11 15:34
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 08/16/11 14:07 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1112519
**Report Date:** 08/24/11

## SAMPLE RESULTS

Lab ID: L1112519-06
Client ID: SB-172 (5-6')
Sample Location: 1 INDIA ST. PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 15:34
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 08/16/11 14:07 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1112519
**Report Date:** 08/24/11

## SAMPLE RESULTS

Lab ID: L1112519-07
Client ID: SB-190 (3-4')
Sample Location: 1 INDIA ST. PROVIDENCE
Matrix: Soil

Date Collected: 08/05/11 09:47
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 08/16/11 14:07 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1112519
**Report Date:** 08/24/11

## SAMPLE RESULTS

Lab ID: L1112519-08
Client ID: SB-176 (4-5')
Sample Location: 1 INDIA ST. PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 12:59
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 08/16/11 14:07 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1112519
**Report Date:** 08/24/11

## SAMPLE RESULTS

Lab ID: L1112519-09
Client ID: SB-176 (5-6')
Sample Location: 1 INDIA ST. PROVIDENCE
Matrix: Soil

Date Collected: 08/04/11 12:59
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 08/16/11 14:07 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1112519
**Report Date:** 08/24/11

## SAMPLE RESULTS

Lab ID: L1112519-10
Client ID: SB-176 (6-7')
Sample Location: 1 INDIA ST. PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 13:01
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/16/11 14:07 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1112519
**Report Date:** 08/24/11

## SAMPLE RESULTS

Lab ID: L1112519-11
Client ID: SB-176 (7-8')
Sample Location: 1 INDIA ST. PROVIDENCE
Matrix: Soil
Date Collected: 08/04/11 13:01
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/16/11 14:07 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1112519
**Report Date:** 08/24/11

## SAMPLE RESULTS

Lab ID: L1112519-12
Client ID: SB-191 (3-4')
Sample Location: 1 INDIA ST. PROVIDENCE
Matrix: Soil

Date Collected: 08/05/11 11:45
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 08/16/11 14:07 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1112519
**Report Date:** 08/24/11

## SAMPLE RESULTS

Lab ID: L1112519-13
Client ID: SB-192 (3-4')
Sample Location: 1 INDIA ST. PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 11:27
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 08/16/11 14:07 | 30,2540G | MD |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02
**Lab Number:** L1112519
**Report Date:** 08/24/11

## SAMPLE RESULTS

Lab ID: L1112519-14
Client ID: SB-188 (3-4')
Sample Location: 1 INDIA ST. PROVIDENCE
Matrix: Soil
Date Collected: 08/05/11 10:57
Date Received: 08/05/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 97 | | % | 0.10 | NA | 1 | - | 08/16/11 15:10 | 30,2540G | MD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1112519
**Report Date:** 08/24/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG484808-1 QC Sample: L1112518-04 Client ID: DUP Sample | | | | | | |
| Solids, Total | 94 | 95 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 03-13 QC Batch ID: WG484832-1 QC Sample: L1112519-08 Client ID: SB-176 (4-5') | | | | | | |
| Solids, Total | 91 | 91 | % | 0 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 14 QC Batch ID: WG484867-1 QC Sample: L1112466-01 Client ID: DUP Sample | | | | | | |
| Solids, Total | 90 | 90 | % | 0 | | 20 |

**Project Name:** MCALLISTER TOWING
**Project Number:** C563-001.02

**Lab Number:** L1112519
**Report Date:** 08/24/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1112519-01A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1112519-02A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1112519-03A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1112519-04A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1112519-05A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1112519-06A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1112519-07A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1112519-08A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1112519-09A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1112519-10A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1112519-11A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1112519-12A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1112519-13A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1112519-14A | Amber 120ml unpreserved | A | N/A | 2.4 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1112519 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/24/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **P** | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| **Q** | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1112519 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/24/11 |

***Data Qualifiers***

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER TOWING | **Lab Number:** | L1112519 |
| **Project Number:** | C563-001.02 | **Report Date:** | 08/24/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised July 28, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

L1112519

# CHAIN OF CUSTODY

PAGE 7 OF 14

Date Rec'd in Lab: 8/5/11

ALPHA Job #: ~~L1114934~~ 8/14/11

ALPHA TICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group
Address: 401 Wampanoag trail
E. Providence, RI 02914
Phone: 401-434-5560
Fax: 401-434-8158
Email: KPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister towing
Project Location: 1 India St. Providence
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
5 DAYS FIRM
Date Due: 8/22/11 ~~8/12/11~~ Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program TSCA/RIDEM Criteria RIDEM RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB w/ Sox extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| ~~11434~~ | SB-143A (4-5') | 8/4/11 | 1510 | S | MP | X | | |
| | SB-143A (5-6') | | 1510 | | | X | | |
| 12519.1 3 | SB-143A (6-7') | | 1512 | | | X | HOLD | |
| 2 4 | SB-143A (7-8') | | 1512 | | | X | HOLD | |
| 5 | SB-146A (4-5') | | 1440 | | | X | | |
| 6 | SB-146A (5-6') | | 1440 | | | X | | |
| 7 | SB-146A (6-7') | | 1442 | | | X | HOLD | |
| 8 | SB-146A (7-8') | | 1442 | | | X | HOLD | |
| 9 | SB-174 (0-1') | | 1420 | | | X | | |
| 10 | SB-174 (1-2') | | 1420 | | | X | | |
| | | | | | Container Type | A | | |
| | | | | | Preservative | A | | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 3pm 8/5/11 | [signature] | 8/5/11 1500 |
| [signature] | 8/5/11 1730 | [signature] | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

L1112519

# CHAIN OF CUSTODY

PAGE 8 OF 14

Date Rec'd in Lab: 8/5/11

ALPHA Job #: L1110341

8/16/11

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group

Address: 401 Wampanoag Trail E. Providence, RI 02914

Phone: 401-434-5560

Fax: 401-434-8158

Email: KPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister Towing

Project Location: 1 India St. Providence ~~[illegible]~~

Project #: C563-001.02

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

5 DAYS Firm

Date Due: 8/22/11 ~~8/18/11~~ Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program PSCA/RIDEM | Criteria RIDEM RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do

*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB w/ Sox extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| ~~1934~~ 1 | SB-174 (2-3') | 8/4/11 | 1422 | S | NP | X | | |
| 2 | SB-174 (3-4') | | 1422 | | | X | | |
| 3 | SB-173 (0-1') | | 1455 | | | X | | |
| 4 | SB-173 (1-2') | | 1455 | | | X | | |
| 5 | SB-173 (2-3') | | 1457 | | | X | | |
| 6 | SB-173 (3-4') | | 1457 | | | X | | |
| 12519.3 4 | SB-173 (4-5') | | 1459 | | | X | HOLD | |
| 8 | SB-173 (5-6') | | 1459 | | | X | HOLD | |
| 9 | SB-172 (0-1') | | 1530 | | | X | | |
| 20 | SB-172 (1-2') | | 1530 | | | X | | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| | |
|---|---|
| Container Type | A |
| Preservative | A |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 8/5/11 1730 | [signature] | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

L1112519

# CHAIN OF CUSTODY

PAGE 9 OF 14

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd In Lab: 8/5/11

ALPHA Job #: ~~L1111935~~ 8/..

**Client Information**

Client: ESS Group

Address: 401 Wampanoag Trail, E. Providence, RI 02914

Phone: 401-434-5560

Fax: 401-434-8158

Email: kfurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister Towing

Project Location: 1 India St. Providence

Project #: C563-001.02

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved)

5 DAYS FIRM

Date Due: 8/22/11 ~~8/12/11~~ Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program: TSCA/RIDEM Criteria: RIDEM RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCBs w/ SOX extraction

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs w/ SOX extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| ~~11935~~ 1 | SB-172 (2-3') | 8/4/11 | 1532 | S | MP | X | | |
| 2 | ~~SB-172 (3-4')~~ | ↓ | ~~1532~~ | ↓ | ↓ | X | ← MS 8/8/11 | |
| 12519.5 3 | SB-172 (4-5') | | 1534 | | | (X) | HOLD | |
| 6 4 | SB-172 (5-6') | | 1534 | | | (X) | HOLD | |
| 5 | SB-171 (0-1') | | 1550 | | | X | | |
| 6 | SB-171 (1-2') | | 1550 | | | X | | |
| 7 | SB-171 (2-3') | | 1552 | | | X | | |
| 8 | SB-171 (3-4') | ↓ | 1552 | | | X | | |
| 9 | SB-169 (0-1') | 8/5/11 | 0840 | | | X | | |
| 10 | SB-169 (1-2') | ↓ | 0840 | ↓ | ↓ | X | | |

PLEASE ANSWER QUESTIONS ABOVE!

| | |
|---|---|
| Container Type | A |
| Preservative | A |

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 8/5/11 | [signature] | 8/5/11 1510 |
| [signature] | 8/5/11-1730 | [signature] | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

L1112519

# CHAIN OF CUSTODY

PAGE 10 OF 14

Date Rec'd in Lab: 8/5/11

ALPHA Job #: ~~L1111935~~

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group

Address: 401 Wampanoag Trail, E. Providence, RI 02914

Phone: 401-434-5560

Fax: 401-434-8158

Email: kpurdy@essgroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister Towing

Project Location: 1 India St. Providence

Project #: C563-001.02

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

5 days Firm

Date Due: 8/22/11 ~~8/12/11~~ Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client Info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program TSCA/RIDEM | Criteria RIDEM RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB w/ SOX extraction

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB w/ SOX extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 11935 | SB-169 (2-3') | 8/5/11 | 0842 | S | MP | X | | |
| 12 | SB-169 (3-4') | | 0842 | | | X | | |
| 13 | SB-168 (0-1') | | 0905 | | | X | | |
| 14 | SB-168 (1-2') | | 0905 | | | X | | |
| 15 | SB-168 (2-3') | | 0907 | | | X | | |
| 16 | SB-168 (3-4') | | 0907 | | | X | | |
| 17 | SB-190 (0-1') | | 0945 | | | X | | |
| 18 | SB-190 (1-2') | | 0945 | | | X | | |
| 19 | SB-190 (2-3') | | 0947 | | | X | | |
| 12519.7 20 | SB-190 (3-4') | | 0947 | | | X | HOLD | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Container Type | A |
|---|---|
| Preservative | A |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Emily Shearer | 3 pm 8/5/11 | [signature] | 8/5/11 1500 |
| [signature] | 8/5/11 1730 | [signature] | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

L1112519

# CHAIN OF CUSTODY

PAGE 5 OF 14

Date Rec'd in Lab: 8/5/11

ALPHA Job #: ~~L1111933~~ 8/16/11

ALPHA TECHNICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group
Address: 401 Wampanoag Trail
E. Providence, RI 02914
Phone: 401-434-5560
Fax: 401-434-8158
Email: KPurdy@ESSGroup.com
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister Towing
Project Location: 1 India St. Providence
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
5 DAYS FIRM
Date Due: 8/22/11 ~~8/12/11~~ Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client Info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program TSCA/RIDEM Criteria RIDEM [redacted] RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**
*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB w/ SOX extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| ~~1933~~ | SB-175 (4-5') | 8/4/11 | 1124 | S | MP | X | HOLD | |
| | SB-175 (5-6') | | 1124 | | | X | HOLD | |
| | SB-175 (6-7') | | 1126 | | | X | HOLD | |
| | SB-175 (7-8') | | 1126 | | | X | HOLD | |
| | SB-176 (0-1') | | 1255 | | | X | | |
| | SB-176 (1-2') | | 1255 | | | X | | |
| | SB-176 (2-3') | | 1257 | | | X | | |
| | SB-176 (3-4') | | 1257 | | | X | | |
| 12519 8 | SB-176 (4-5') | | 1259 | | | X | HOLD | |
| 9 | SB-176 (5-6') | | 1259 | | | X | HOLD | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| | |
|---|---|
| Container Type | A |
| Preservative | A |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Eric Shearer | 3 pm 8/5/11 | [signature] | 8/5/11 1730 |
| [signature] | 8/5/11 1730 | Dan Chung | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

L1112519

# CHAIN OF CUSTODY

PAGE 6 OF 14

Date Rec'd in Lab: 8/5/11

ALPHA Job #: L1112519 8/11/11


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


## Client Information

Client: ESS Group
Address: 401 Wampanoag Trail
E. Providence, RI 02914
Phone: 401-434-5560
Fax: 401-434-8158
Email: KPuedy@ESSGroup.com
☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: McAllister towing
Project Location: 1 Andrea St. Providence
Project #: C563-001-02
Project Manager:
ALPHA Quote #:

## Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)
5 DAYS FIRM
Date Due: 8/12/11 ~~8/10/11~~ Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☑ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program: TSCA/RIDEM Criteria: RIDEM RDEC

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: RUBY SOX extraction

**SAMPLE HANDLING**
*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| L1112519-10 | SB-176(6-7') | 8/4/11 | 1301 | S | MP | X | HOLD |
| -11 | SB-176(7-8') | | 1301 | | | X | HOLD |
| -12 | SB-177(0-1') | | 1340 | | | | |
| -13 | SB-177(1-2') | | 1340 | | | | |
| -14 | SB-177(2-3') | | 1342 | | | | |
| -15 | SB-177(3-4') | | 1342 | | | | |
| -16 | SB-177(4-5') | | 1344 | | | | HOLD |
| -17 | SB-177(5-6') | | 1344 | | | | HOLD |
| -18 | SB-177(6-7') | | 1346 | | | | HOLD |
| -19 | SB-177(7-8') | | 1346 | | | | HOLD |

Container Type: A
Preservative: A

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 3pm 8/5/11 | [signature] | 8/5/11 1535 |
| [signature] | 8/5/11 1730 | [signature] | 8/5/11 1735 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

L1112519

# CHAIN OF CUSTODY

PAGE 11 OF 14

Date Rec'd in Lab: 8/5/11

ALPHA Job #: ~~L1111936~~

8/16/11

ALPHA TECHNICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

## Client Information

Client: ESS Group
Address: 401 Wampanoag Trail
E. Providence, RI 02914
Phone: 401-434-5560
Fax: 401-434-8158
Email: kpurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: McAllister Towing
Project Location: 1 India St. Providence
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

## Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 8/22/11 ~~8/12/11~~ Time:

## Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program TSCA/RIDEM | Criteria RIDEM RDEC

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB w/ SOX extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| ~~L1111936~~ 1 | SB-191 (0-1') | 8/5/11 | 1140 | S | MP | X | | |
| 2 | SB-191 (1-2') | | 1140 | | | X | | |
| 3 | SB-191 (2-3') | | 1145 | | | X | | |
| 12519.12 4 | SB-191 (3-4') | | 1145 | | | X | HOLD | |
| 5 | SB-192 (0-1') | | 1125 | | | X | | |
| 6 | SB-192 (1-2') | | 1125 | | | X | | |
| 7 | SB-192 (2-3') | | 1127 | | | X | | |
| 13 8 | SB-192 (3-4') | | 1127 | | | X | HOLD | |
| 9 | SB-193 (0-1') | | 1112 | | | X | | |
| 10 | SB-193 (1-2') | | 1112 | | | X | | |

| | |
|---|---|
| Container Type | A |
| Preservative | A |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 8/5/11 | [signature] | 8/5/11 1540 |
| [signature] | 8/5/11 1730 | [signature] | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

L1112519

# CHAIN OF CUSTODY

PAGE 12 OF 14

Date Rec'd in Lab: 8/5/11

ALPHA Job #: ~~L1114936~~ 8/16/11 D

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group
Address: 401 Wampanoag trail
E. Providence, RI 02914
Phone: 401-434-5560
Fax: 401-434-8158
Email: Kpundy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister Towing
Project Location: 1 India St. Providence
Project #: C563-001.02
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved)
5 DAYS Firm
Date Due: 8/22/11 Time: ~~8/12/11~~

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program TSCA/RIDEM Criteria RIDEM RDEC

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB w/ SOX extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| ~~L1936~~ 11 | SB-193 (2-3') | 8/5/11 | 1114 | S | MP | X | | |
| 12 | SB-193 (3-4') | | 1114 | | | X | HOLD | |
| 13 | SB-187 (0-1') | | 1040 | | | X | | |
| 14 | SB-187 (1-2') | | 1040 | | | X | | |
| 15 | SB-187 (2-3') | | 1042 | | | X | | |
| 16 | SB-187 (3-4') | | 1042 | | | X | HOLD | |
| 17 | SB-188 (0-1') | | 1055 | | | X | | |
| 18 | SB-188 (1-2') | | 1055 | | | X | | |
| 19 | SB-188 (2-3') | | 1057 | | | X | | |
| 12519.14 20 | SB-188 (3-4') | | 1057 | | | X | HOLD | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| | |
|---|---|
| Container Type | A |
| Preservative | A |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 3pm 8/5/11 | [signature] | 8/5/11 1530 |
| [signature] | 8/5/11 1730 | [signature] | 8/5/11 1730 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1115252 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C563-001 |
| Report Date: | 09/30/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1115252-01 | SB-199(0.5-1.5) | 1 INDIA ST. | 09/23/11 08:45 |
| L1115252-02 | SB-199(1.5-2.5) | 1 INDIA ST. | 09/23/11 08:50 |
| L1115252-03 | SB-199(2.5-3.5) | 1 INDIA ST. | 09/23/11 08:55 |
| L1115252-04 | SB-199(3.5-4.5) | 1 INDIA ST. | 09/23/11 09:00 |
| L1115252-05 | SB-200(0.5-1.5) | 1 INDIA ST. | 09/23/11 09:05 |
| L1115252-06 | SB-200(1.5-2.5) | 1 INDIA ST. | 09/23/11 09:10 |
| L1115252-07 | SB-200(2.5-3.5) | 1 INDIA ST. | 09/23/11 09:15 |
| L1115252-08 | SB-200(3.5-4.5) | 1 INDIA ST. | 09/23/11 09:20 |
| L1115252-09 | SB-201(0.0-1.0) | 1 INDIA ST. | 09/23/11 09:25 |
| L1115252-10 | SB-201(1.0-2.0) | 1 INDIA ST. | 09/23/11 09:30 |
| L1115252-11 | SB-201(2-3) | 1 INDIA ST. | 09/23/11 09:30 |
| L1115252-12 | SB-201(3-4) | 1 INDIA ST. | 09/23/11 09:35 |
| L1115252-13 | SB-202(0-1) | 1 INDIA ST. | 09/23/11 09:45 |
| L1115252-14 | SB-202(1-2) | 1 INDIA ST. | 09/23/11 09:50 |
| L1115252-15 | SB-202(2-3) | 1 INDIA ST. | 09/23/11 09:55 |
| L1115252-16 | SB-202(3-4) | 1 INDIA ST. | 09/23/11 10:00 |
| L1115252-17 | SB-203(0-1) | 1 INDIA ST. | 09/23/11 10:05 |
| L1115252-18 | SB-203(1-2) | 1 INDIA ST. | 09/23/11 10:10 |
| L1115252-19 | SB-203(2-3) | 1 INDIA ST. | 09/23/11 10:15 |
| L1115252-20 | SB-203(3-4) | 1 INDIA ST. | 09/23/11 10:20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L1115252-03, -06, and -14 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

L1115252-15 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L1115252-16 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the target compounds present in the sample.

The surrogate recovery for L1115252-06 is outside the individual acceptance criteria for Decachlorobiphenyl (29%), but within the overall method allowances. The results of the original analysis are reported; however, all associated compounds are considered to have a potential bias.

The dual column RPD for L1115252-14 is above the acceptance criteria for Aroclor 1260; however, no obvious

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115252 |
| **Project Number:** | C563-001 | **Report Date:** | 09/30/11 |

**Case Narrative (continued)**

column interferences are present. The higher of the two results is reported and qualified with a "P".

The surrogate recoveries for L1115252-16 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (both 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 09/30/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-01 | Date Collected: | 09/23/11 08:45 |
| Client ID: | SB-199(0.5-1.5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 13:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-02 | Date Collected: | 09/23/11 08:50 |
| Client ID: | SB-199(1.5-2.5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 13:33 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 98% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 32.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 32.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 32.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 32.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 32.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 32.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 32.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 32.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 55 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |

**Project Name:** MCALLISTER
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-03 | Date Collected: | 09/23/11 08:55 |
| Client ID: | SB-199(2.5-3.5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/29/11 16:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 103 | -- | 3 |
| Aroclor 1221 | ND | | ug/kg | 103 | -- | 3 |
| Aroclor 1232 | ND | | ug/kg | 103 | -- | 3 |
| Aroclor 1242 | ND | | ug/kg | 103 | -- | 3 |
| Aroclor 1248 | ND | | ug/kg | 103 | -- | 3 |
| Aroclor 1254 | ND | | ug/kg | 103 | -- | 3 |
| Aroclor 1260 | ND | | ug/kg | 103 | -- | 3 |
| Aroclor 1262 | ND | | ug/kg | 103 | -- | 3 |
| Aroclor 1268 | ND | | ug/kg | 103 | -- | 3 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 46 | | 30-150 |
| Decachlorobiphenyl | 32 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 |
| Decachlorobiphenyl | 49 | | 30-150 |

**Project Name:** MCALLISTER
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-04 | Date Collected: | 09/23/11 09:00 |
| Client ID: | SB-199(3.5-4.5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/29/11 16:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 72 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 94 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-05 | Date Collected: | 09/23/11 09:05 |
| Client ID: | SB-200(0.5-1.5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 14:13 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 79 | | 30-150 |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-06 | Date Collected: | 09/23/11 09:10 |
| Client ID: | SB-200(1.5-2.5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 14:26 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 171 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 171 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 171 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 171 | -- | 5 |
| Aroclor 1248 | ND | | ug/kg | 171 | -- | 5 |
| Aroclor 1254 | ND | | ug/kg | 171 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 171 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 171 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 171 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | **29** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 |
| Decachlorobiphenyl | 40 | | 30-150 |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-07 | Date Collected: | 09/23/11 09:15 |
| Client ID: | SB-200(2.5-3.5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 14:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-08 | Date Collected: | 09/23/11 09:20 |
| Client ID: | SB-200(3.5-4.5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 14:53 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 82% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 66 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-09 | Date Collected: | 09/23/11 09:25 |
| Client ID: | SB-201(0.0-1.0) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 15:06 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 72 | | 30-150 |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-10 | Date Collected: | 09/23/11 09:30 |
| Client ID: | SB-201(1.0-2.0) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 15:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 54 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 76 | | 30-150 |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-10 | Date Collected: | 09/23/11 09:30 |
| Client ID: | SB-201(1.0-2.0) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 15:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 146 | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1254 | 129 | | ug/kg | 34.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 54 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 76 | | 30-150 |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-11 | Date Collected: | 09/23/11 09:30 |
| Client ID: | SB-201(2-3) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 15:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-11 | Date Collected: | 09/23/11 09:30 |
| Client ID: | SB-201(2-3) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 15:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 115 | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1254 | 77.2 | | ug/kg | 34.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-12 | Date Collected: | 09/23/11 09:35 |
| Client ID: | SB-201(3-4) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 15:46 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-13 | Date Collected: | 09/23/11 09:45 |
| Client ID: | SB-202(0-1) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 15:59 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 54 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-14 | Date Collected: | 09/23/11 09:50 |
| Client ID: | SB-202(1-2) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 16:12 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 67.7 | -- | 2 |
| Aroclor 1221 | ND | | ug/kg | 67.7 | -- | 2 |
| Aroclor 1232 | ND | | ug/kg | 67.7 | -- | 2 |
| Aroclor 1242 | ND | | ug/kg | 67.7 | -- | 2 |
| Aroclor 1254 | 335 | | ug/kg | 67.7 | -- | 2 |
| Aroclor 1262 | ND | | ug/kg | 67.7 | -- | 2 |
| Aroclor 1268 | ND | | ug/kg | 67.7 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 30-150 |
| Decachlorobiphenyl | 37 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 30-150 |
| Decachlorobiphenyl | 51 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-14 | Date Collected: | 09/23/11 09:50 |
| Client ID: | SB-202(1-2) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 16:12 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 402 | | ug/kg | 67.7 | -- | 2 |
| Aroclor 1260 | 74.4 | P | ug/kg | 67.7 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 30-150 |
| Decachlorobiphenyl | 37 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 30-150 |
| Decachlorobiphenyl | 51 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115252

**Project Number:** C563-001 **Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115252-15 | D | Date Collected: | 09/23/11 09:55 |
| Client ID: | SB-202(2-3) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/29/11 21:57 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1248 | 778 | | ug/kg | 176 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 176 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 79 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115252

**Project Number:** C563-001 **Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115252-15 | D | Date Collected: | 09/23/11 09:55 |
| Client ID: | SB-202(2-3) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/29/11 21:57 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 421 | | ug/kg | 176 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 79 | | 30-150 |

**Project Name:** MCALLISTER
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## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115252-16 | D | Date Collected: | 09/23/11 10:00 |
| Client ID: | SB-202(3-4) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/30/11 15:00 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 701 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 701 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 701 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 701 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 701 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 701 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 701 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115252-16 | D | Date Collected: | 09/23/11 10:00 |
| Client ID: | SB-202(3-4) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/30/11 15:00 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 5010 | | ug/kg | 701 | -- | 20 |
| Aroclor 1254 | 2730 | | ug/kg | 701 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
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**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-17 | Date Collected: | 09/23/11 10:05 |
| Client ID: | SB-203(0-1) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 16:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 46 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |

**Project Name:** MCALLISTER
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-17 | Date Collected: | 09/23/11 10:05 |
| Client ID: | SB-203(0-1) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 16:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 339 | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1254 | 337 | | ug/kg | 34.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 46 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |

**Project Name:** MCALLISTER
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-18 | Date Collected: | 09/23/11 10:10 |
| Client ID: | SB-203(1-2) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 17:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-19 | Date Collected: | 09/23/11 10:15 |
| Client ID: | SB-203(2-3) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 18:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 72.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 72.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 72.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 72.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 72.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 72.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 72.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 72.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 72.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 63 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |

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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-20 | Date Collected: | 09/23/11 10:20 |
| Client ID: | SB-203(3-4) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 18:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 42 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |

**Project Name:** MCALLISTER
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**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115252-20 | Date Collected: | 09/23/11 10:20 |
| Client ID: | SB-203(3-4) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA ST. | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 13:10 |
| Analytical Date: | 09/28/11 18:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 368 | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1254 | 375 | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1260 | 84.1 | | ug/kg | 36.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 42 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 09/28/11 17:05
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 09/24/11 15:22
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/28/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/28/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-20 Batch: WG491978-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 53 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 74 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-20 Batch: WG491978-2 WG491978-3 | | | | | | | | |
| Aroclor 1016 | 84 | | 66 | | 40-140 | 24 | | 50 |
| Aroclor 1260 | 90 | | 72 | | 40-140 | 22 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 71 | | 30-150 |
| Decachlorobiphenyl | 59 | | 51 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 72 | | 30-150 |
| Decachlorobiphenyl | 78 | | 65 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-01
Client ID: SB-199(0.5-1.5)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 08:45
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 09/27/11 09:54 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-02
Client ID: SB-199(1.5-2.5)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 08:50
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 98 | | % | 0.10 | NA | 1 | - | 09/27/11 09:54 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-03
Client ID: SB-199(2.5-3.5)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 08:55
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-04
Client ID: SB-199(3.5-4.5)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 09:00
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-05
Client ID: SB-200(0.5-1.5)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 09:05
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-06
Client ID: SB-200(1.5-2.5)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 09:10
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-07
Client ID: SB-200(2.5-3.5)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 09:15
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-08
Client ID: SB-200(3.5-4.5)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 09:20
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-09
Client ID: SB-201(0.0-1.0)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 09:25
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-10
Client ID: SB-201(1.0-2.0)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 09:30
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-11
Client ID: SB-201(2-3)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 09:30
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-12
Client ID: SB-201(3-4)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 09:35
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-13
Client ID: SB-202(0-1)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 09:45
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-14
Client ID: SB-202(1-2)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 09:50
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-15
Client ID: SB-202(2-3)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 09:55
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-16
Client ID: SB-202(3-4)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 10:00
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-17
Client ID: SB-203(0-1)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 10:05
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-18
Client ID: SB-203(1-2)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 10:10
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-19
Client ID: SB-203(2-3)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 10:15
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115252-20
Client ID: SB-203(3-4)
Sample Location: 1 INDIA ST.
Matrix: Soil

Date Collected: 09/23/11 10:20
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG492372-1 QC Sample: L1115330-01 Client ID: DUP Sample | | | | | | |
| Solids, Total | 59 | 60 | % | 2 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 03-20 QC Batch ID: WG492390-1 QC Sample: L1115252-03 Client ID: SB-199(2.5-3.5) | | | | | | |
| Solids, Total | 94 | 94 | % | 0 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115252
**Report Date:** 09/30/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1115252-01A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-02A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-03A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-04A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-05A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-06A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-07A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-08A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-09A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-10A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-11A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-12A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-13A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-14A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-15A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-16A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-17A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-18A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-19A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115252-20A | Amber 120ml unpreserved | A | N/A | 3 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115252 |
| **Project Number:** | C563-001 | **Report Date:** | 09/30/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **NJ** | - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115252 |
| **Project Number:** | C563-001 | **Report Date:** | 09/30/11 |

***Data Qualifiers***

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115252 |
| **Project Number:** | C563-001 | **Report Date:** | 09/30/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised September 19, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 1 OF 14

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1115252

## Client Information

Client: ESS Group, Inc
Address: 401 Wampanoag Trail
East Providence, RI 02915
Phone: 401-[redacted]330-1251
Fax: 401-434-8158
Email: Kpurdy@ESSgroup.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: Mcallister
Project Location: 1 India St.
Project #: C563-00[redacted]
Project Manager:
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program RI Criteria RIDEM method 1

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB w/ SOx extraction | SAMPLE HANDLING | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 15252-1 | SB-199 (0.5-1.5) | 9/23/11 | 845 | S | M+JA | X | | |
| 2 | SB-199 (1.5-2.5) | | 850 | | | X | | |
| 3 | SB-199 (2.5-3.5) | | 855 | | | X | | |
| 4 | SB-199 (3.5-4.5) | | 900 | | | X | | |
| 5 | SB-200 (0.5-1.5) | | 905 | | | X | | |
| 6 | SB-200 (1.5-2.5) | | 910 | | | X | | |
| 7 | SB-200 (2.5-3.5) | | 915 | | | X | | |
| 8 | SB-200 (3.5-4.5) | | 920 | | | X | | |
| 9 | SB-201 (0.0-1.0) | | 925 | | | X | | |
| 10 | SB-201 (1.0-2.6) | | 930 | | | X | | |

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

Container Type
Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gillett | 9/23 1755 | P. Gillett | 9/23/11 1425 |
| P. Gillett | 9/23/11 1755 | | 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# CHAIN OF CUSTODY

PAGE 2 OF 14

Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1115252

ALPHA WOODS HOLE LABS
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
RAYNHAM, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group
Address: 401 Wampanoag Trail
E. Providence, RI 02915
Phone: 401-530-1251
Fax: 401-434-8158
Email: Kpindy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: Mcallister
Project Location: 1 India Street
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RI Criteria RIDEM Method 1

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: PCB's w/ 3x extraction

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's w/ 3x extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 15252 11 | SB-201 (2-3) | 9-23 | 930 | S | MP+JA | X | | |
| 12 | SB-201 (3-4) | ↓ | 935 | ↓ | ↓ | X | | |
| 13 | SB-202 (0-1) | ↓ | 945 | ↓ | ↓ | X | | |
| 14 | SB-202 (1-2) | ↓ | 950 | ↓ | ↓ | X | | |
| 15 | SB-202 (2-3) | ↓ | 9-55 | ↓ | ↓ | X | | |
| 16 | SB-202 (3-4) | ↓ | 1000 | ↓ | ↓ | X | | |
| 17 | SB-203 (0-1) | ↓ | 1005 | ↓ | ↓ | X | | |
| 18 | SB-203 (1-2) | ↓ | 1010 | ↓ | ↓ | X | | |
| 19 | SB-203 (2-3) | ↓ | 1015 | ↓ | ↓ | X | | |
| 20 | SB-203 (3-4) | ↓ | 1020 | ↓ | ↓ | X | | |

Container Type
Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 9/23 1535 | P. Gilbert | 9/23/11 1435 |
| | 9/23/11 1755 | | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

FORM NO: 01-01 (rev. 10-OCT-05)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1115253 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C563-001 |
| Report Date: | 09/30/11 |

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Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1115253-01 | SB-204(0-1) | 1 INDIA STREET | 09/23/11 10:25 |
| L1115253-02 | SB-204(1-2) | 1 INDIA STREET | 09/23/11 10:30 |
| L1115253-03 | SB-204(2-3) | 1 INDIA STREET | 09/23/11 10:35 |
| L1115253-04 | SB-204(3-4) | 1 INDIA STREET | 09/23/11 10:40 |
| L1115253-05 | SB-204(4-5) | 1 INDIA STREET | 09/23/11 10:45 |
| L1115253-06 | SB-204(5-6) | 1 INDIA STREET | 09/23/11 10:50 |
| L1115253-07 | SB-204(6-7) | 1 INDIA STREET | 09/23/11 10:55 |
| L1115253-08 | SB-204(7-8) | 1 INDIA STREET | 09/23/11 11:00 |
| L1115253-09 | SB-206(0-1) | 1 INDIA STREET | 09/23/11 11:45 |
| L1115253-10 | SB-206(1-2) | 1 INDIA STREET | 09/23/11 11:50 |
| L1115253-11 | SB-206(2-3) | 1 INDIA STREET | 09/23/11 11:55 |
| L1115253-12 | SB-206(3-4) | 1 INDIA STREET | 09/23/11 12:00 |
| L1115253-13 | SB-206(4-5) | 1 INDIA STREET | 09/23/11 12:05 |
| L1115253-14 | SB-206(5-6) | 1 INDIA STREET | 09/23/11 12:10 |
| L1115253-15 | SB-206(6-7) | 1 INDIA STREET | 09/23/11 12:15 |
| L1115253-16 | SB-206(7-8) | 1 INDIA STREET | 09/23/11 12:20 |
| L1115253-17 | SB-205(0-1) | 1 INDIA STREET | 09/23/11 11:05 |
| L1115253-18 | SB-205(1-2) | 1 INDIA STREET | 09/23/11 11:10 |
| L1115253-19 | SB-205(2-3) | 1 INDIA STREET | 09/23/11 11:15 |
| L1115253-20 | SB-205(3-4) | 1 INDIA STREET | 09/23/11 11:20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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PCBs

L1115253-09, -10, -14 and -18 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L1115253-11 and -12 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the target compounds present in the samples.

L1115253-13 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

The surrogate recoveries for L1115253-09, -10, -11, -12 and -14 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 09/30/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115253-01 | Date Collected: | 09/23/11 10:25 |
| Client ID: | SB-204(0-1) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 17:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 53 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115253-01 | Date Collected: | 09/23/11 10:25 |
| Client ID: | SB-204(0-1) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 17:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 49.6 | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1254 | 85.1 | | ug/kg | 36.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 53 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115253-02 | Date Collected: | 09/23/11 10:30 |
| Client ID: | SB-204(1-2) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 17:48 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 54 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 72 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115253-03 | Date Collected: | 09/23/11 10:35 |
| Client ID: | SB-204(2-3) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 00:42 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 66 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115253-04 | Date Collected: | 09/23/11 10:40 |
| Client ID: | SB-204(3-4) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 00:54 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 74 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115253-05 | Date Collected: | 09/23/11 10:45 |
| Client ID: | SB-204(4-5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 01:06 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115253-09 | D | Date Collected: | 09/23/11 11:45 |
| Client ID: | SB-206(0-1) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 20:08 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 362 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 362 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 362 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 362 | -- | 10 |
| Aroclor 1248 | 3280 | | ug/kg | 362 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 362 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 362 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 362 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115253

**Project Number:** C563-001 **Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115253-09 | D | Date Collected: | 09/23/11 11:45 |
| Client ID: | SB-206(0-1) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 20:08 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 1940 | | ug/kg | 362 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115253

**Project Number:** C563-001 **Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115253-10 | D | Date Collected: | 09/23/11 11:50 |
| Client ID: | SB-206(1-2) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/30/11 14:20 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 6940 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 6940 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 6940 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 6940 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 6940 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 6940 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 6940 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115253-10 | D | Date Collected: | 09/23/11 11:50 |
| Client ID: | SB-206(1-2) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/30/11 14:20 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 21300 | | ug/kg | 6940 | -- | 200 |
| Aroclor 1254 | 11200 | | ug/kg | 6940 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115253

**Project Number:** C563-001 **Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115253-11 | D | Date Collected: | 09/23/11 11:55 |
| Client ID: | SB-206(2-3) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/30/11 14:33 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 71300 | -- | 2000 |
| Aroclor 1221 | ND | | ug/kg | 71300 | -- | 2000 |
| Aroclor 1232 | ND | | ug/kg | 71300 | -- | 2000 |
| Aroclor 1242 | ND | | ug/kg | 71300 | -- | 2000 |
| Aroclor 1248 | 384000 | | ug/kg | 71300 | -- | 2000 |
| Aroclor 1260 | ND | | ug/kg | 71300 | -- | 2000 |
| Aroclor 1262 | ND | | ug/kg | 71300 | -- | 2000 |
| Aroclor 1268 | ND | | ug/kg | 71300 | -- | 2000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115253

**Project Number:** C563-001 **Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115253-11 | D | Date Collected: | 09/23/11 11:55 |
| Client ID: | SB-206(2-3) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/30/11 14:33 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 227000 | | ug/kg | 71300 | -- | 2000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115253

**Project Number:** C563-001 **Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115253-12 | D | Date Collected: | 09/23/11 12:00 |
| Client ID: | SB-206(3-4) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/30/11 14:46 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 14800 | -- | 400 |
| Aroclor 1221 | ND | | ug/kg | 14800 | -- | 400 |
| Aroclor 1232 | ND | | ug/kg | 14800 | -- | 400 |
| Aroclor 1242 | ND | | ug/kg | 14800 | -- | 400 |
| Aroclor 1260 | ND | | ug/kg | 14800 | -- | 400 |
| Aroclor 1262 | ND | | ug/kg | 14800 | -- | 400 |
| Aroclor 1268 | ND | | ug/kg | 14800 | -- | 400 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115253-12 | D | Date Collected: | 09/23/11 12:00 |
| Client ID: | SB-206(3-4) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/30/11 14:46 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 53500 | | ug/kg | 14800 | -- | 400 |
| Aroclor 1254 | 38000 | | ug/kg | 14800 | -- | 400 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115253-13 | Date Collected: | 09/23/11 12:05 |
| Client ID: | SB-206(4-5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 18:03 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 77% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 85.4 | -- | 2 |
| Aroclor 1221 | ND | | ug/kg | 85.4 | -- | 2 |
| Aroclor 1232 | ND | | ug/kg | 85.4 | -- | 2 |
| Aroclor 1242 | ND | | ug/kg | 85.4 | -- | 2 |
| Aroclor 1262 | ND | | ug/kg | 85.4 | -- | 2 |
| Aroclor 1268 | ND | | ug/kg | 85.4 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115253-13 | Date Collected: | 09/23/11 12:05 |
| Client ID: | SB-206(4-5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 18:03 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 77% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 104 | | ug/kg | 85.4 | -- | 2 |
| Aroclor 1254 | 131 | | ug/kg | 85.4 | -- | 2 |
| Aroclor 1260 | 92.2 | | ug/kg | 85.4 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115253

**Project Number:** C563-001 **Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115253-14 | D | Date Collected: | 09/23/11 12:10 |
| Client ID: | SB-206(5-6) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 21:10 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1820 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115253-14 | D | Date Collected: | 09/23/11 12:10 |
| Client ID: | SB-206(5-6) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 21:10 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 21400 | | ug/kg | 1820 | -- | 50 |
| Aroclor 1254 | 10600 | | ug/kg | 1820 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115253-17 | Date Collected: | 09/23/11 11:05 |
| Client ID: | SB-205(0-1) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 02:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 72 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 85 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115253-18 | D | Date Collected: | 09/23/11 11:10 |
| Client ID: | SB-205(1-2) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 21:26 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 71.6 | -- | 2 |
| Aroclor 1221 | ND | | ug/kg | 71.6 | -- | 2 |
| Aroclor 1232 | ND | | ug/kg | 71.6 | -- | 2 |
| Aroclor 1242 | ND | | ug/kg | 71.6 | -- | 2 |
| Aroclor 1254 | 312 | | ug/kg | 71.6 | -- | 2 |
| Aroclor 1260 | ND | | ug/kg | 71.6 | -- | 2 |
| Aroclor 1262 | ND | | ug/kg | 71.6 | -- | 2 |
| Aroclor 1268 | ND | | ug/kg | 71.6 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 102 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 135 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115253

**Project Number:** C563-001 **Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115253-18 | D | Date Collected: | 09/23/11 11:10 |
| Client ID: | SB-205(1-2) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 21:26 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 523 | | ug/kg | 71.6 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 102 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 135 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115253-19 | Date Collected: | 09/23/11 11:15 |
| Client ID: | SB-205(2-3) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 18:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 51 | | 30-150 |
| Decachlorobiphenyl | 43 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 |
| Decachlorobiphenyl | 53 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115253-19 | Date Collected: | 09/23/11 11:15 |
| Client ID: | SB-205(2-3) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 18:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 35.6 | | ug/kg | 35.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 51 | | 30-150 |
| Decachlorobiphenyl | 43 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 |
| Decachlorobiphenyl | 53 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115253-20 | Date Collected: | 09/23/11 11:20 |
| Client ID: | SB-205(3-4) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 03:09 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 09/29/11 03:46
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 09/24/11 14:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/28/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/28/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-05,09-14,17-20 Batch: WG492000-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 30.7 | -- |
| Aroclor 1221 | ND | | ug/kg | 30.7 | -- |
| Aroclor 1232 | ND | | ug/kg | 30.7 | -- |
| Aroclor 1242 | ND | | ug/kg | 30.7 | -- |
| Aroclor 1248 | ND | | ug/kg | 30.7 | -- |
| Aroclor 1254 | ND | | ug/kg | 30.7 | -- |
| Aroclor 1260 | ND | | ug/kg | 30.7 | -- |
| Aroclor 1262 | ND | | ug/kg | 30.7 | -- |
| Aroclor 1268 | ND | | ug/kg | 30.7 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 |
| Decachlorobiphenyl | 64 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-05,09-14,17-20 QC Batch ID: WG492000-4 WG492000-5 QC Sample: L1115253-20 Client ID: SB-205(3-4) | | | | | | | | | | | | |
| Aroclor 1016 | ND | 213 | 157 | 74 | | 173 | 78 | | 40-140 | 10 | | 50 |
| Aroclor 1260 | ND | 213 | 177 | 83 | | 194 | 88 | | 40-140 | 9 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 76 | | 30-150 |
| Decachlorobiphenyl | 69 | | 76 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 80 | | 30-150 |
| Decachlorobiphenyl | 89 | | 90 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-05,09-14,17-20 Batch: WG492000-2 WG492000-3 | | | | | | | | |
| Aroclor 1016 | 98 | | 102 | | 40-140 | 4 | | 50 |
| Aroclor 1260 | 95 | | 98 | | 40-140 | 3 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 91 | | 30-150 |
| Decachlorobiphenyl | 81 | | 83 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 111 | | 105 | | 30-150 |
| Decachlorobiphenyl | 118 | | 111 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115253-01
Client ID: SB-204(0-1)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 10:25
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115253-02
Client ID: SB-204(1-2)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 10:30
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 09/27/11 10:34 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115253-03
Client ID: SB-204(2-3)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 10:35
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115253-04
Client ID: SB-204(3-4)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 10:40
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115253-05
Client ID: SB-204(4-5)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 10:45
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115253-09
Client ID: SB-206(0-1)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 11:45
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115253-10
Client ID: SB-206(1-2)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 11:50
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115253-11
Client ID: SB-206(2-3)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 11:55
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115253-12
Client ID: SB-206(3-4)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 12:00
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115253-13
Client ID: SB-206(4-5)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 12:05
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 77 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115253-14
Client ID: SB-206(5-6)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 12:10
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115253-17
Client ID: SB-205(0-1)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 11:05
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115253-18
Client ID: SB-205(1-2)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 11:10
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115253-19
Client ID: SB-205(2-3)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 11:15
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115253-20
Client ID: SB-205(3-4)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 11:20
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG492390-1 QC Sample: L1115252-03 Client ID: DUP Sample | | | | | | |
| Solids, Total | 94 | 94 | % | 0 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 03-05,09-14,17-20 QC Batch ID: WG492407-1 QC Sample: L1115253-03 Client ID: SB-204(2-3) | | | | | | |
| Solids, Total | 92 | 92 | % | 0 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115253
**Report Date:** 09/30/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1115253-01A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115253-02A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115253-03A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115253-04A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115253-05A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115253-06A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115253-07A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115253-08A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115253-09A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115253-10A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115253-11A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115253-12A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115253-13A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115253-14A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115253-15A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115253-16A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115253-17A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115253-18A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115253-19A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115253-20A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115253-20B | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115253-20C | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115253 |
| **Project Number:** | C563-001 | **Report Date:** | 09/30/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **NJ** | - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115253 |
| **Project Number:** | C563-001 | **Report Date:** | 09/30/11 |

***Data Qualifiers***

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115253 |
| **Project Number:** | C563-001 | **Report Date:** | 09/30/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised September 19, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 3 OF 14


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1115253

## Client Information

Client: ESS Group, Inc

Address: 401 Wampanoag Trail
E. Providence, RI 02915

Phone: 401-330-1251

Fax: 401-434-8158

Email: KBurdy@essgroup.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: McAllister

Project Location: 1 Indian Street

Project #: C563-001

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time:

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program RI Criteria RIDEM Method 1

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☒ No Are MCP Analytical Methods Required?

☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/ Soxtractions

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's w/ Soxtractions | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 15253.1 | SB-204 (0-1) | 9/23/11 | 1025 | S | MJA | X | | |
| 2 | SB-204 (1-2) | | 1030 | | | X | | |
| 3 | SB-204 (2-3) | | 1035 | | | X | | |
| 4 | SB-204 (3-4) | | 1040 | | | X | | |
| 5 | SB-204 (4-5) | | 1045 | | | X | | |
| 6 | SB-204 (5-6) | | 1050 | | | X | Extract + Hold | |
| 7 | SB-204 (6-7) | | 1055 | | | X | Extract + Hold | |
| 8 | SB-204 (7-8) | | 1100 | | | X | Extract + Hold | |
| 9 | SB-206 (0-1) | | 1145 | | | X | | |
| 10 | SB-206 (1-2) | | 1150 | | | X | | |

Container Type

Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 9-23 1535 | P. Gilbert | 9/23/11 1435 |
| P. Gilbert | 9/23/11 1755 | | 9/24 1535 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

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ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1115253

**Client Information**

Client: ESS Group
Address: 401 Wampanoag Trail
E. Providence, RI 02195
Phone: 401-330-1251
Fax: 401-434-8158
Email: KPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister
Project Location: 1 Indian Street
Project #: C563-001
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State/Fed Program RI Criteria RIDEM Method 1

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☒ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: RIDEM Method 1 SOX extraction

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 1115253.11 | SB-206 (2-3) | 9/23/11 | 1155 | S | MF | X | |
| 12 | SB-206 (3-4) | | 1200 | | | X | |
| 13 | SB-206 (4-5) | | 1205 | | | X | |
| 14 | SB-206 (5-6) | | 1210 | | | X | |
| 15 | SB-206 (6-7) | | 1215 | | | X | Extract + Hold |
| 16 | SB-206 (7-8) | | 1220 | | | X | Extract + Hold |
| 17 | SB-205 (0-1) | | 1105 | | | X | |
| 18 | SB-205 (1-2) | | 1110 | | | X | |
| 19 | SB-205 (2-3) | | 1115 | | | X | |
| 20 | SB-205 (3-4) | | 1120 | | | X | |

| | |
|---|---|
| Container Type | |
| Preservative | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gillett | 9-23 1535 | P. Gillett | 9/23/11 1435 |
| P. Gillett | 9/23/11 1755 | | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 5 OF 14

Date Rec'd in Lab: 9/23/11 ALPHA Job #: L1115253

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group
Address: 401 Wampanoag Trail
E. Providence, RI 02195
Phone: 401-330-1251
Fax: 401-434-8158
Email: KPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister
Project Location: 1 India Street
Project #: C563-001
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RI Criteria RIDEM Method 1

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☒ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/ SOX extraction

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's w/ SOX extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 15253 20 | SB-205 (3-4) MS | 9/23/11 | 1121 | S | MP + JA | X | Matrix Spike | |
| 20 | SB-205 (3-4) MSD | | 1122 | | | X | Matrix Spike Dup. | |
| | SB-5205 (6-7) | | 1136 | | | X | | |
| | SB-205 (4-5) | | 1125 | | | X | | |
| | SB-205 (5-6) | | 1130 | | | X | Extract + Hold | |
| | SB-205 (6-7) | | 1135 | | | X | Extract + Hold | |
| | SB-205 (7-8) | | 1140 | | | X | Extract + Hold | |
| | SB-208 (0-1) | | 1305 | | | X | | |
| | SB-208 (1-2) | | 1307 | | | X | | |
| | SB-208 (2-3) | | 1309 | | | X | | |

Container Type
Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 9-23 1535 | P. Gilbert | 9/23/11 1435 |
| | 9/23/11 1755 | | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1115254 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C563-001 |
| Report Date: | 09/30/11 |

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Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115254
**Report Date:** 09/30/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1115254-01 | SB-5205(6-7) | 1 INDIA STREET | 09/23/11 11:36 |
| L1115254-02 | SB-205(4-5) | 1 INDIA STREET | 09/23/11 11:25 |
| L1115254-03 | SB-205(5-6) | 1 INDIA STREET | 09/23/11 11:30 |
| L1115254-04 | SB-205(6-7) | 1 INDIA STREET | 09/23/11 11:35 |
| L1115254-05 | SB-205(7-8) | 1 INDIA STREET | 09/23/11 11:40 |
| L1115254-06 | SB-208(0-1) | 1 INDIA STREET | 09/23/11 13:05 |
| L1115254-07 | SB-208(1-2) | 1 INDIA STREET | 09/23/11 13:07 |
| L1115254-08 | SB-208(2-3) | 1 INDIA STREET | 09/23/11 13:09 |
| L1115254-09 | SB-208(3-4) | 1 INDIA STREET | 09/23/11 13:11 |
| L1115254-10 | SB-208(4-5) | 1 INDIA STREET | 09/23/11 13:13 |
| L1115254-11 | SB-208(5-6) | 1 INDIA STREET | 09/23/11 13:15 |
| L1115254-12 | SB-208(6-7) | 1 INDIA STREET | 09/23/11 13:17 |
| L1115254-13 | SB-208(7-8) | 1 INDIA STREET | 09/23/11 13:19 |
| L1115254-14 | SB-210(0-1) | 1 INDIA STREET | 09/23/11 13:37 |
| L1115254-15 | SB-210(1-2) | 1 INDIA STREET | 09/23/11 13:39 |
| L1115254-16 | SB-210(2-3) | 1 INDIA STREET | 09/23/11 13:41 |
| L1115254-17 | SB-210(3-4) | 1 INDIA STREET | 09/23/11 13:43 |
| L1115254-18 | SB-210(4-5) | 1 INDIA STREET | 09/23/11 13:45 |
| L1115254-19 | SB-210(5-6) | 1 INDIA STREET | 09/23/11 13:47 |
| L1115254-20 | SB-210(6-7) | 1 INDIA STREET | 09/23/11 13:49 |
| L1115254-21 | SB-210(7-8) | 1 INDIA STREET | 09/23/11 13:51 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115254
**Report Date:** 09/30/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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PCBs

L1115254-06, -08 and -10 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1115254-07 and -09 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilution required by the target compounds present in the samples.

The surrogate recoveries for L1115254-07 through -10 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 09/30/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115254-01 | Date Collected: | 09/23/11 11:36 |
| Client ID: | SB-5205(6-7) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/28/11 13:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115254-02 | Date Collected: | 09/23/11 11:25 |
| Client ID: | SB-205(4-5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/28/11 13:01 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 51 | | 30-150 |
| Decachlorobiphenyl | 53 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 30-150 |
| Decachlorobiphenyl | 53 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115254

**Project Number:** C563-001 **Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115254-06 | D | Date Collected: | 09/23/11 13:05 |
| Client ID: | SB-208(0-1) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 18:35 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 188 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 63 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 82 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115254-06 | D | Date Collected: | 09/23/11 13:05 |
| Client ID: | SB-208(0-1) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 18:35 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 1500 | | ug/kg | 188 | -- | 5 |
| Aroclor 1254 | 793 | | ug/kg | 188 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 63 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 82 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115254-07 | D | Date Collected: | 09/23/11 13:07 |
| Client ID: | SB-208(1-2) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 18:50 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 6800 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 6800 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 6800 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 6800 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 6800 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 6800 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 6800 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115254-07 | D | Date Collected: | 09/23/11 13:07 |
| Client ID: | SB-208(1-2) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 18:50 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 84100 | | ug/kg | 6800 | -- | 200 |
| Aroclor 1254 | 29900 | | ug/kg | 6800 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115254

**Project Number:** C563-001 **Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115254-08 | D | Date Collected: | 09/23/11 13:09 |
| Client ID: | SB-208(2-3) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 19:06 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 17500 | -- | 500 |
| Aroclor 1221 | ND | | ug/kg | 17500 | -- | 500 |
| Aroclor 1232 | ND | | ug/kg | 17500 | -- | 500 |
| Aroclor 1242 | ND | | ug/kg | 17500 | -- | 500 |
| Aroclor 1248 | 196000 | | ug/kg | 17500 | -- | 500 |
| Aroclor 1260 | ND | | ug/kg | 17500 | -- | 500 |
| Aroclor 1262 | ND | | ug/kg | 17500 | -- | 500 |
| Aroclor 1268 | ND | | ug/kg | 17500 | -- | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115254

**Project Number:** C563-001 **Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115254-08 | D | Date Collected: | 09/23/11 13:09 |
| Client ID: | SB-208(2-3) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 19:06 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 58800 | | ug/kg | 17500 | -- | 500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115254-09 | D | Date Collected: | 09/23/11 13:11 |
| Client ID: | SB-208(3-4) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 19:21 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7000 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7000 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7000 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7000 | -- | 200 |
| Aroclor 1248 | 26800 | | ug/kg | 7000 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7000 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7000 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7000 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115254

**Project Number:** C563-001 **Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115254-09 | D | Date Collected: | 09/23/11 13:11 |
| Client ID: | SB-208(3-4) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 19:21 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 9570 | | ug/kg | 7000 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115254-10 | D | Date Collected: | 09/23/11 13:13 |
| Client ID: | SB-208(4-5) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 19:37 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 719 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 719 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 719 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 719 | -- | 20 |
| Aroclor 1248 | 10400 | | ug/kg | 719 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 719 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 719 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 719 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115254

**Project Number:** C563-001 **Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115254-10 | D | Date Collected: | 09/23/11 13:13 |
| Client ID: | SB-208(4-5) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 19:37 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 2940 | | ug/kg | 719 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115254-21 | Date Collected: | 09/23/11 13:51 |
| Client ID: | SB-210(7-8) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/28/11 14:51 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 72 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115254
**Report Date:** 09/30/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 09/28/11 15:41
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 09/24/11 14:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/27/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/27/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-02,06-10,21 Batch: WG491998-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.7 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.7 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.7 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.7 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.7 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.7 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.7 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.7 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.7 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 91 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 107 | | 30-150 |
| Decachlorobiphenyl | 119 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115254
**Report Date:** 09/30/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-02,06-10,21 Batch: WG491998-2 WG491998-3 | | | | | | | | |
| Aroclor 1016 | 92 | | 91 | | 40-140 | 1 | | 50 |
| Aroclor 1260 | 98 | | 96 | | 40-140 | 2 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 79 | | 30-150 |
| Decachlorobiphenyl | 87 | | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 111 | | 30-150 |
| Decachlorobiphenyl | 104 | | 115 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115254-01
Client ID: SB-5205(6-7)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 11:36
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115254-02
Client ID: SB-205(4-5)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 11:25
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115254-03
Client ID: SB-205(5-6)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 11:30
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115254-04
Client ID: SB-205(6-7)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 11:35
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115254-05
Client ID: SB-205(7-8)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 11:40
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 74 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115254-06
Client ID: SB-208(0-1)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:05
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115254-07
Client ID: SB-208(1-2)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:07
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 09/27/11 11:41 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115254-08
Client ID: SB-208(2-3)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:09
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115254-09
Client ID: SB-208(3-4)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:11
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115254-10
Client ID: SB-208(4-5)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:13
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115254
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115254-21
Client ID: SB-210(7-8)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:51
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115254
**Report Date:** 09/30/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG492407-1 QC Sample: L1115253-03 Client ID: DUP Sample | | | | | | |
| Solids, Total | 92 | 92 | % | 0 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 08-10,21 QC Batch ID: WG492423-1 QC Sample: L1115254-10 Client ID: SB-208(4-5) | | | | | | |
| Solids, Total | 87 | 87 | % | 0 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115254
**Report Date:** 09/30/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1115254-01A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115254-02A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115254-03A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),S-EXT-8082(14) |
| L1115254-04A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),S-EXT-8082(14) |
| L1115254-05A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),S-EXT-8082(14) |
| L1115254-06A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115254-07A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115254-08A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115254-09A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115254-10A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115254-11A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115254-12A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115254-13A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115254-14A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115254-15A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115254-16A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115254-17A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115254-18A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115254-19A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115254-20A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115254-21A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115254 |
| **Project Number:** | C563-001 | **Report Date:** | 09/30/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **NJ** | - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115254 |
| **Project Number:** | C563-001 | **Report Date:** | 09/30/11 |

***Data Qualifiers***

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115254 |
| **Project Number:** | C563-001 | **Report Date:** | 09/30/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised September 19, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 5 OF 14

Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1115254

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group
Address: 401 Wampanoag Trail E. Providence, RI 02195
Phone: 401-330-1251
Fax: 401-434-8158
Email: KPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister
Project Location: 1 India Street
Project #: C563-001
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RI Criteria RIDEM Method 1

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☑ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB's w/ SOX extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| | SB-205 (3-4) MS | 9/23/11 | 1121 | S | MP + JA | X | Matrix Spike | |
| | SB-205 (3-4) MSD | ↓ | 1122 | ↓ | ↓ | X | Matrix Spike Dup. | |
| 15254. 1 | SB-5205 (6-7) | ↓ | 1136 | ↓ | ↓ | X | | |
| 2 | SB-205 (4-5) | ↓ | 1125 | ↓ | ↓ | X | | |
| 3 | SB-205 (5-6) | ↓ | 1130 | ↓ | ↓ | X | Extract + Hold | |
| 4 | SB-205 (6-7) | ↓ | 1135 | ↓ | ↓ | X | Extract + Hold | |
| 5 | SB-205 (7-8) | ↓ | 1140 | ↓ | ↓ | X | Extract + Hold | |
| 6 | SB-208 (0-1) | ↓ | 1305 (MP) | ↓ | ↓ | X | | |
| 7 | SB-208 (1-2) | ↓ | 1307 (MP) | ↓ | ↓ | X | | |
| 8 | SB-208 (2-3) | ↓ | 1309 (MP) | ↓ | ↓ | X | | |

Container Type
Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 9-23 1535 | P. Gilbert | 9/23/11 1435 |
| | 9/23/11 1755 | | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

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ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1115259

## Client Information

Client: ESS Group, Inc
Address: 401 Wampanoag Trail
E. Providence, RI 02915
Phone: 401-330-1251
Fax: 401-434-8158
Email: KPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: Mealister
Project Location: 1 Iodine Street
Project #: C563-001
Project Manager:
ALPHA Quote #:

## Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time:

## Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program RI Criteria RIDEM method 1

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☑ No Are MCP Analytical Methods Required?
☑ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: RCRA 15 w/ SPLP extraction

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|
| 15254.9 | SB-208 (3-4) | 9/23/11 | 1311 | S | MH/JA | | |
| 10 | SB-208 (4-5) | | 1313 | | | | |
| 11 | SB-208 (5-6) | | 1315 | | | Extract + Hold | |
| 12 | SB-208 (6-7) | | 1317 | | | Extract + Hold | |
| 13 | SB-208 (7-8) | | 1319 | | | Extract + Hold | |
| 14 | SB-210 (0-1) | | 1337 | | | Extract + Hold | |
| 15 | SB-210 (1-2) | | 1339 | | | Extract + Hold | |
| 16 | SB-210 (2-3) | | 1341 | | | Extract + Hold | |
| 17 | SB-210 (3-4) | | 1343 | | | Extract + Hold | |
| 18 | SB-210 (4-5) | | 1345 | | | Extract + Hold | |

Container Type
Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gillett | 9-23 1535 | P. Gillett | 9/23/11 1535 |
| P. Gillett | 9/23/11 1755 | | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 7 OF 14

Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1115254

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group
Address: 401 Wampanoang Trail
E. Providence, RI 02915
Phone: 401-330-1251
Fax: 401-434-8158
Email: KPurdy@ESSGroup

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister
Project Location: 1 Indian Street
Project #: C563-001
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State/Fed Program RI Criteria RIDEM method 1

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☒ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/ SOX extraction

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's w/ SOX extraction | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 15254 19 | SB-210 (5-6) | 9/23/11 | 1347 | S | MP & JA | X | Extract + Hold |
| 20 | SB-210 (6-7) | ↓ | 1349 | ↓ | ↓ | X | Extract + Hold |
| 21 | SB-210 (7-8) | ↓ | 1351 | ↓ | ↓ | X | |

Container Type
Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 9-23 1535 | P. Gilbert | 9/23/11 1535 |
| P. Gilbert | 9/23/11 1755 | [signature] | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1115255 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C563-001 |
| Report Date: | 09/30/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115255
**Report Date:** 09/30/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1115255-01 | SB-211(7-8) | 1 INDIA STREET | 09/23/11 14:07 |
| L1115255-02 | SB-207(0-1) | 1 INDIA STREET | 09/23/11 12:25 |
| L1115255-03 | SB-207(1-2) | 1 INDIA STREET | 09/23/11 12:30 |
| L1115255-04 | SB-207(2-3) | 1 INDIA STREET | 09/23/11 12:35 |
| L1115255-05 | SB-207(3-4) | 1 INDIA STREET | 09/23/11 12:40 |
| L1115255-06 | SB-207(4-5) | 1 INDIA STREET | 09/23/11 12:45 |
| L1115255-07 | SB-207(5-6) | 1 INDIA STREET | 09/23/11 12:50 |
| L1115255-08 | SB-207(6-7) | 1 INDIA STREET | 09/23/11 12:55 |
| L1115255-09 | SB-207(7-8) | 1 INDIA STREET | 09/23/11 13:00 |
| L1115255-10 | SB-209(0-1) | 1 INDIA STREET | 09/23/11 13:21 |
| L1115255-11 | SB-213(6-7) | 1 INDIA STREET | 09/23/11 14:37 |
| L1115255-12 | SB-213(7-8) | 1 INDIA STREET | 09/23/11 14:39 |
| L1115255-13 | SB-5213(3-4) | 1 INDIA STREET | 09/23/11 14:30 |
| L1115255-14 | SB-212(0-1) | 1 INDIA STREET | 09/23/11 14:09 |
| L1115255-15 | SB-212(1-2) | 1 INDIA STREET | 09/23/11 14:11 |
| L1115255-16 | SB-212(2-3) | 1 INDIA STREET | 09/23/11 14:13 |
| L1115255-17 | SB-212(3-4) | 1 INDIA STREET | 09/23/11 14:15 |
| L1115255-18 | SB-212(4-5) | 1 INDIA STREET | 09/23/11 14:17 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115255
**Report Date:** 09/30/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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PCBs

L1115255-10 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The surrogate recoveries for L1115255-10 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L1115255-14 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 09/30/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER **Lab Number:** L1115255

**Project Number:** C563-001 **Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115255-10 | D | Date Collected: | 09/23/11 13:21 |
| Client ID: | SB-209(0-1) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 19:52 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 392 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 392 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 392 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 392 | -- | 10 |
| Aroclor 1248 | 5130 | | ug/kg | 392 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 392 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 392 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 392 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115255

**Project Number:** C563-001 **Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115255-10 | D | Date Collected: | 09/23/11 13:21 |
| Client ID: | SB-209(0-1) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/29/11 19:52 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 2120 | | ug/kg | 392 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115255
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115255-13 | Date Collected: | 09/23/11 14:30 |
| Client ID: | SB-5213(3-4) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/28/11 15:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1248 | 86.5 | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 39 | | 30-150 |
| Decachlorobiphenyl | 116 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 36 | | 30-150 |
| Decachlorobiphenyl | 137 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115255
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115255-13 | Date Collected: | 09/23/11 14:30 |
| Client ID: | SB-5213(3-4) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/28/11 15:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 56.2 | | ug/kg | 37.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 39 | | 30-150 |
| Decachlorobiphenyl | 116 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 36 | | 30-150 |
| Decachlorobiphenyl | 137 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115255
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115255-14 | Date Collected: | 09/23/11 14:09 |
| Client ID: | SB-212(0-1) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/28/11 15:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 70.1 | -- | 2 |
| Aroclor 1221 | ND | | ug/kg | 70.1 | -- | 2 |
| Aroclor 1232 | ND | | ug/kg | 70.1 | -- | 2 |
| Aroclor 1242 | ND | | ug/kg | 70.1 | -- | 2 |
| Aroclor 1248 | ND | | ug/kg | 70.1 | -- | 2 |
| Aroclor 1254 | ND | | ug/kg | 70.1 | -- | 2 |
| Aroclor 1260 | ND | | ug/kg | 70.1 | -- | 2 |
| Aroclor 1262 | ND | | ug/kg | 70.1 | -- | 2 |
| Aroclor 1268 | ND | | ug/kg | 70.1 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 102 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115255
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115255-15 | Date Collected: | 09/23/11 14:11 |
| Client ID: | SB-212(1-2) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/28/11 17:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 68 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115255
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115255-16 | Date Collected: | 09/23/11 14:13 |
| Client ID: | SB-212(2-3) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/28/11 17:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115255
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115255-17 | Date Collected: | 09/23/11 14:15 |
| Client ID: | SB-212(3-4) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/28/11 17:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 66 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115255
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115255-18 | Date Collected: | 09/23/11 14:17 |
| Client ID: | SB-212(4-5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/24/11 14:50 |
| Analytical Date: | 09/28/11 17:56 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/27/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/27/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 43 | | 30-150 |
| Decachlorobiphenyl | 43 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 40 | | 30-150 |
| Decachlorobiphenyl | 47 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115255
**Report Date:** 09/30/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 09/28/11 15:41
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 09/24/11 14:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/27/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/27/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 10,13-18 Batch: WG491998-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.7 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.7 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.7 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.7 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.7 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.7 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.7 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.7 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.7 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 91 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 107 | | 30-150 |
| Decachlorobiphenyl | 119 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115255
**Report Date:** 09/30/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 10,13-18 Batch: WG491998-2 WG491998-3 | | | | | | | | |
| Aroclor 1016 | 92 | | 91 | | 40-140 | 1 | | 50 |
| Aroclor 1260 | 98 | | 96 | | 40-140 | 2 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 79 | | 30-150 |
| Decachlorobiphenyl | 87 | | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 111 | | 30-150 |
| Decachlorobiphenyl | 104 | | 115 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115255
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115255-10
Client ID: SB-209(0-1)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:21
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115255
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115255-13
Client ID: SB-5213(3-4)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:30
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115255
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115255-14
Client ID: SB-212(0-1)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:09
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115255
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115255-15
Client ID: SB-212(1-2)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:11
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115255
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115255-16
Client ID: SB-212(2-3)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:13
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115255
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115255-17
Client ID: SB-212(3-4)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:15
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115255
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115255-18
Client ID: SB-212(4-5)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:17
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115255
**Report Date:** 09/30/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 10,13-18 QC Batch ID: WG492423-1 QC Sample: L1115254-10 Client ID: DUP Sample | | | | | | |
| Solids, Total | 87 | 87 | % | 0 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115255
**Report Date:** 09/30/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| B | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1115255-01A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115255-02A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115255-03A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115255-04A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115255-05A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115255-06A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115255-07A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115255-08A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115255-09A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115255-10A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115255-11A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115255-11B | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115255-11C | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115255-12A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115255-13A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115255-14A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115255-15A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115255-16A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115255-17A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115255-18A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115255 |
| **Project Number:** | C563-001 | **Report Date:** | 09/30/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **NJ** | - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115255 |
| **Project Number:** | C563-001 | **Report Date:** | 09/30/11 |

***Data Qualifiers***

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115255 |
| **Project Number:** | C563-001 | **Report Date:** | 09/30/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised September 19, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 8 OF 14

Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1115255


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: ESS Group

Address: East Providence

Phone: 401 330 1218

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:

Project Location: C563

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/24/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB's w/50X | SAMPLE HANDLING | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|
| 15255.1 | SB-211 (7-8) | 9-23 | 1407 | S | MP | X | | | Extract & HOLD |
| 2 | SB-207 (0-1) | | 1225 | | | X | | | Extract & HOLD |
| 3 | SB-207 (1-2) | | 1230 | | | X | | | Ext. & HOLD |
| 4 | SB-207 (2-3) | | 1235 | | | X | | | Ext. & HOLD |
| 5 | SB-207 (3-4) | | 1240 | | | X | | | Ext. & HOLD |
| 6 | SB-207 (4-5) | | 1245 | | | X | | | Ext. & HOLD |
| 7 | SB-207 (5-6) | | 1250 | | | X | | | Ext. & HOLD |
| 8 | SB-207 (6-7) | | 1255 | | | X | | | Ext. & HOLD |
| 9 | SB-207 (7-8) | | 1300 | | | X | | | Ext. & HOLD |
| 10 | SB-209 (0-1) | | 1321 | | | X | | | |

SAMPLE HANDLING

Filtration

☐ Done ☐ Not needed ☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

| Container Type | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Preservative | | | | | | | | | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gillett | 9-23 1535 | P. Gillett | 9/23/11 1535 |
| | 9/23/11 1755 | C | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 89 OF 14

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1115255

## Client Information

Client: ESS Group
Address: East Providence
Phone: 401 330 1218
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name:
Project Location: C563
Project #:
Project Manager:
ALPHA Quote #:

## Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/30/11 Time:

## Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program | Criteria

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: RCP's a/sox

**SAMPLE HANDLING**
*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | RCP's a/sox | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 15255.11 | SB-213(6-7) | 9-23 | 1437 | S | MP | X | Extract & HOLD | |
| 12 | SB-213(7-8) | | 1439 | | | X | Extract & HOLD | |
| 13 | SB-5213(3-4) | | 1430 | | | X | | |
| 14 | SB-213(6-7)MS | | 1436 | | | X | Matrix Spike | |
| 15 | SB-213(6-7)MSD | | 1438 | | | X | MS Duplicate | |
| 14 | SB-212(0-1) | | 1409 | | | X | | |
| 15 | SB-212(1-2) | | 1411 | | | X | | |
| 16 | SB-212(2-3) | | 1413 | | | X | | |
| 17 | SB-212(3-4) | | 1415 | | | X | | |
| 18 | SB-212(4-5) | ↓ | 1417 | ↓ | ↓ | X | | |

Container Type
Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gillett | 9-23 1535 | P. Gillett | 9/23/11 1535 |
| | 9/23/11 1755 | | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1115256 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C563-001 |
| Report Date: | 09/30/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115256
**Report Date:** 09/30/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1115256-01 | SB-214(0-1) | 1 INDIA STREET | 09/23/11 14:56 |
| L1115256-02 | SB-214(1-2) | 1 INDIA STREET | 09/23/11 14:57 |
| L1115256-03 | SB-214(2-3) | 1 INDIA STREET | 09/23/11 14:58 |
| L1115256-04 | SB-214(3-4) | 1 INDIA STREET | 09/23/11 14:59 |
| L1115256-05 | SB-214(4-5) | 1 INDIA STREET | 09/23/11 15:00 |
| L1115256-06 | SB-214(5-6) | 1 INDIA STREET | 09/23/11 15:01 |
| L1115256-07 | SB-214(6-7) | 1 INDIA STREET | 09/23/11 15:03 |
| L1115256-08 | SB-214(7-8) | 1 INDIA STREET | 09/23/11 15:04 |
| L1115256-09 | SB-198(0-1) | 1 INDIA STREET | 09/23/11 14:52 |
| L1115256-10 | SB-198(1-2) | 1 INDIA STREET | 09/23/11 14:53 |
| L1115256-11 | SB-198(2-3) | 1 INDIA STREET | 09/23/11 14:54 |
| L1115256-12 | SB-198(3-4) | 1 INDIA STREET | 09/23/11 14:55 |
| L1115256-13 | SB-197(0-1) | 1 INDIA STREET | 09/23/11 14:48 |
| L1115256-14 | SB-197(1-2) | 1 INDIA STREET | 09/23/11 14:49 |
| L1115256-15 | SB-197(2-3) | 1 INDIA STREET | 09/23/11 14:50 |
| L1115256-16 | SB-197(3-4) | 1 INDIA STREET | 09/23/11 14:51 |
| L1115256-17 | SB-196(0-1) | 1 INDIA STREET | 09/23/11 14:44 |
| L1115256-18 | SB-196(1-2) | 1 INDIA STREET | 09/23/11 14:45 |
| L1115256-19 | SB-196(2-3) | 1 INDIA STREET | 09/23/11 14:46 |
| L1115256-20 | SB-196(3-4) | 1 INDIA STREET | 09/23/11 14:47 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115256
**Report Date:** 09/30/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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PCB

The dual column RPDs for L1115256-01, -02, and -15 are above the acceptance criteria for Aroclor 1254; however, obvious column interferences are present. Due to these interferences, the lower of the two values is reported for this compound. The results have been qualified with a "P".

L1115256-19 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 09/30/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115256-01 | Date Collected: | 09/23/11 14:56 |
| Client ID: | SB-214(0-1) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/25/11 12:20 |
| Analytical Date: | 09/28/11 16:29 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1254 | 55.3 | P | ug/kg | 37.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 90 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 97 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115256-01 | Date Collected: | 09/23/11 14:56 |
| Client ID: | SB-214(0-1) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/25/11 12:20 |
| Analytical Date: | 09/28/11 16:29 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 43.6 | | ug/kg | 37.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 90 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 97 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115256-02 | Date Collected: | 09/23/11 14:57 |
| Client ID: | SB-214(1-2) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/25/11 12:20 |
| Analytical Date: | 09/28/11 16:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1248 | 79.2 | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1254 | 109 | P | ug/kg | 38.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 86 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115256-02 | Date Collected: | 09/23/11 14:57 |
| Client ID: | SB-214(1-2) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/25/11 12:20 |
| Analytical Date: | 09/28/11 16:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1260 | 50.6 | | ug/kg | 38.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 86 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115256-03 | Date Collected: | 09/23/11 14:58 |
| Client ID: | SB-214(2-3) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/25/11 12:20 |
| Analytical Date: | 09/28/11 17:00 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1248 | 52.0 | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1260 | 39.1 | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115256-04 | Date Collected: | 09/23/11 14:59 |
| Client ID: | SB-214(3-4) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/25/11 12:20 |
| Analytical Date: | 09/28/11 17:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115256-05 | Date Collected: | 09/23/11 15:00 |
| Client ID: | SB-214(4-5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/25/11 12:20 |
| Analytical Date: | 09/28/11 17:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 30-150 |
| Decachlorobiphenyl | 43 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115256-06 | Date Collected: | 09/23/11 15:01 |
| Client ID: | SB-214(5-6) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/25/11 12:20 |
| Analytical Date: | 09/28/11 17:47 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115256-13 | Date Collected: | 09/23/11 14:48 |
| Client ID: | SB-197(0-1) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/25/11 12:20 |
| Analytical Date: | 09/28/11 18:03 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 82 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115256-14 | Date Collected: | 09/23/11 14:49 |
| Client ID: | SB-197(1-2) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/25/11 12:20 |
| Analytical Date: | 09/28/11 18:18 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 76 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 89 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115256-15 | Date Collected: | 09/23/11 14:50 |
| Client ID: | SB-197(2-3) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/25/11 12:20 |
| Analytical Date: | 09/28/11 18:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1248 | 360 | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1254 | 247 | P | ug/kg | 35.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115256-15 | Date Collected: | 09/23/11 14:50 |
| Client ID: | SB-197(2-3) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/25/11 12:20 |
| Analytical Date: | 09/28/11 18:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1260 | 37.1 | | ug/kg | 35.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115256-17 | Date Collected: | 09/23/11 14:44 |
| Client ID: | SB-196(0-1) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/25/11 12:20 |
| Analytical Date: | 09/28/11 18:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 66 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115256-18 | Date Collected: | 09/23/11 14:45 |
| Client ID: | SB-196(1-2) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/25/11 12:20 |
| Analytical Date: | 09/28/11 19:05 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 76 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 82 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115256-19 | D | Date Collected: | 09/23/11 14:46 |
| Client ID: | SB-196(2-3) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/25/11 12:20 |
| Analytical Date: | 09/29/11 16:45 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 176 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 176 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115256-19 | D | Date Collected: | 09/23/11 14:46 |
| Client ID: | SB-196(2-3) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/25/11 12:20 |
| Analytical Date: | 09/29/11 16:45 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 1560 | | ug/kg | 176 | -- | 5 |
| Aroclor 1254 | 1300 | | ug/kg | 176 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115256
**Report Date:** 09/30/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 09/28/11 19:52
Analyst: GT

Extraction Method: EPA 3540C
Extraction Date: 09/25/11 12:20
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/28/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/28/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-06,13-15,17-19 Batch: WG492027-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.8 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 59 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 105 | | 30-150 |
| Decachlorobiphenyl | 94 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115256
**Report Date:** 09/30/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-06,13-15,17-19 Batch: WG492027-2 WG492027-3 | | | | | | | | |
| Aroclor 1016 | 84 | | 82 | | 40-140 | 2 | | 50 |
| Aroclor 1260 | 70 | | 74 | | 40-140 | 6 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 76 | | 30-150 |
| Decachlorobiphenyl | 62 | | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 90 | | 30-150 |
| Decachlorobiphenyl | 84 | | 85 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115256-01
Client ID: SB-214(0-1)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:56
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115256-02
Client ID: SB-214(1-2)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:57
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115256-03
Client ID: SB-214(2-3)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:58
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115256-04
Client ID: SB-214(3-4)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:59
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115256-05
Client ID: SB-214(4-5)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 15:00
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115256-06
Client ID: SB-214(5-6)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 15:01
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115256-13
Client ID: SB-197(0-1)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:48
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115256-14
Client ID: SB-197(1-2)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:49
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115256-15
Client ID: SB-197(2-3)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:50
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 09/27/11 12:14 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115256-17
Client ID: SB-196(0-1)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:44
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115256-18
Client ID: SB-196(1-2)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:45
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115256
**Report Date:** 09/30/11

## SAMPLE RESULTS

Lab ID: L1115256-19
Client ID: SB-196(2-3)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:46
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115256
**Report Date:** 09/30/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-06,13-15 QC Batch ID: WG492423-1 QC Sample: L1115254-10 Client ID: DUP Sample | | | | | | |
| Solids, Total | 87 | 87 | % | 0 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 17-19 QC Batch ID: WG492466-1 QC Sample: L1115256-17 Client ID: SB-196(0-1) | | | | | | |
| Solids, Total | 92 | 91 | % | 1 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115256
**Report Date:** 09/30/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| B | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1115256-01A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115256-02A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115256-03A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115256-04A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115256-05A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115256-06A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115256-07A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115256-08A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115256-09A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115256-10A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115256-11A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115256-12A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115256-13A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115256-14A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115256-15A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115256-16A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115256-17A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115256-18A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115256-19A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115256-20A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115256 |
| **Project Number:** | C563-001 | **Report Date:** | 09/30/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **NJ** | - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115256 |
| **Project Number:** | C563-001 | **Report Date:** | 09/30/11 |

***Data Qualifiers***

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115256 |
| **Project Number:** | C563-001 | **Report Date:** | 09/30/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised September 19, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 10 OF 14

ALPHA WOODS HOLE LABS

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

RAYNHAM, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1115256

## Client Information

Client: ESS Group

Address: East Providence

Phone: 401 330 1218

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name:

Project Location: C563

Project #:

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time:

## Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program: RIDEM

Criteria: Method 1 DC

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: PCB's 8082

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's 8082 | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|
| 15256.1 | SB-214 (0-1) | 9-23 | 1456 | SS | MP | X | | |
| 2 | SB-214 (1-2) | | 1457 | | | X | | |
| 3 | SB-214 (2-3) | | 1458 | | | X | | |
| 4 | SB-214 (3-4) | | 1459 | | | X | | |
| 5 | SB-214 (4-5) | | 1500 | | | X | | |
| 6 | SB-214 (5-6) | | 1501 | | | X | | |
| 7 | SB-214 (6-7) | | 1503 | | | X | | Extract & HOLD |
| 8 | SB-214 (7-8) | | 1504 | | | X | | Extract & HOLD |
| 9 | SB-198 (0-1) | | 1452 | | | X | | Extract & HOLD |
| 10 | SB-198 (1-2) | | 1453 | | MP | X | | Extract & HOLD |

Container Type

Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 9-23 1535 | P. Gilbert | 9/23/11 1535 |
| | 9/23/11 1755 | | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

FORM NO: 01-01 (rev. 10-OCT-05)

# CHAIN OF CUSTODY

PAGE 11 OF 14

ALPHA WOODS HOLE LABS

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

RAYNHAM,MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1115256

**Client Information**

Client: ESS Group

Address: East Providence

Phone: 401 330 1218

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:

Project Location:

Project #: C563

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS**

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: PCB's w/SOX Ext

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | Sample Specific Comments |
|---|---|---|---|---|---|---|
| 15256.11 | SB-198 (2-3) | 9-23 | 1454 | S | MP | Extract & Hold |
| 12 | SB-198 (3-4) | | 1455 | S | | Extract & Hold |
| 13 | SB-197 (0-1) | | 1448 | | | |
| 14 | SB-197 (1-2) | | 1449 | | | |
| 15 | SB-197 (2-3) | | 1450 | | | |
| 16 | SB-197 (3-4) | | 1451 | | | Extract & Hold |
| 17 | SB-196 (0-1) | | 1444 | | | |
| 18 | SB-196 (1-2) | | 1445 | | | |
| 19 | SB-196 (2-3) | | 1446 | | | |
| 20 | SB-196 (3-4) | V | 1447 | | | Extract & Hold |

Container Type

Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 9-23 1535 | P. Gilbert | 9/23/11 1535 |
| P. Gilbert | 9/23/11 1755 | | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

FORM NO: 01-01 (rev. 10-OCT-05)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1115257 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C563-001 |
| Report Date: | 10/03/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1115257-01 | SB-212 (5-6) | 1 INDIA STREET | 09/23/11 14:19 |
| L1115257-02 | SB-212 (6-7) | 1 INDIA STREET | 09/23/11 14:21 |
| L1115257-03 | SB-212 (7-8) | 1 INDIA STREET | 09/23/11 14:23 |
| L1115257-04 | SB-211 (0-1) | 1 INDIA STREET | 09/23/11 13:53 |
| L1115257-05 | SB-211 (1-2) | 1 INDIA STREET | 09/23/11 13:55 |
| L1115257-06 | SB-211 (2-3) | 1 INDIA STREET | 09/23/11 13:57 |
| L1115257-07 | SB-211 (3-4) | 1 INDIA STREET | 09/23/11 13:59 |
| L1115257-08 | SB-211 (4-5) | 1 INDIA STREET | 09/23/11 14:01 |
| L1115257-09 | SB-211 (5-6) | 1 INDIA STREET | 09/23/11 14:03 |
| L1115257-10 | SB-211 (6-7) | 1 INDIA STREET | 09/23/11 14:05 |
| L1115257-11 | SB-209 (1-2) | 1 INDIA STREET | 09/23/11 13:23 |
| L1115257-12 | SB-209 (2-3) | 1 INDIA STREET | 09/23/11 13:25 |
| L1115257-13 | SB-209 (3-4) | 1 INDIA STREET | 09/23/11 13:27 |
| L1115257-14 | SB-209 (4-5) | 1 INDIA STREET | 09/23/11 13:29 |
| L1115257-15 | SB-209 (5-6) | 1 INDIA STREET | 09/23/11 13:31 |
| L1115257-16 | SB-209 (6-7) | 1 INDIA STREET | 09/23/11 13:33 |
| L1115257-17 | SB-209 (7-8) | 1 INDIA STREET | 09/23/11 13:35 |
| L1115257-18 | SB-5209 (1-2) | 1 INDIA STREET | 09/23/11 13:24 |
| L1115257-19 | SB-195 (0-1) | 1 INDIA STREET | 09/23/11 14:40 |
| L1115257-20 | SB-195 (1-2) | 1 INDIA STREET | 09/23/11 14:41 |
| L1115257-21 | SB-195 (2-3) | 1 INDIA STREET | 09/23/11 14:42 |
| L1115257-22 | SB-195 (3-4) | 1 INDIA STREET | 09/23/11 14:43 |
| L1115257-23 | SB-213 (0-1) | 1 INDIA STREET | 09/23/11 14:25 |
| L1115257-24 | SB-213 (1-2) | 1 INDIA STREET | 09/23/11 14:27 |
| L1115257-25 | SB-213 (2-3) | 1 INDIA STREET | 09/23/11 14:29 |
| L1115257-26 | SB-213 (3-4) | 1 INDIA STREET | 09/23/11 14:31 |
| L1115257-27 | SB-213 (4-5) | 1 INDIA STREET | 09/23/11 14:33 |
| L1115257-28 | SB-213 (5-6) | 1 INDIA STREET | 09/23/11 14:35 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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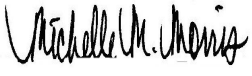
PCBs

L1115257-04, -11, -12, -18, and -23 through -26 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the target compounds present in the samples.

L1115257-09, -13, and -15 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L1115257-04, -11, -12, -15, -18, and -23 through -26 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 10/03/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER **Lab Number:** L1115257

**Project Number:** C563-001 **Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-04 | D | Date Collected: | 09/23/11 13:53 |
| Client ID: | SB-211 (0-1) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/29/11 17:57 |
| Analytical Date: | 10/03/11 09:08 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/30/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/30/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1420 | -- | 40 |
| Aroclor 1221 | ND | | ug/kg | 1420 | -- | 40 |
| Aroclor 1232 | ND | | ug/kg | 1420 | -- | 40 |
| Aroclor 1242 | ND | | ug/kg | 1420 | -- | 40 |
| Aroclor 1248 | 6030 | | ug/kg | 1420 | -- | 40 |
| Aroclor 1260 | ND | | ug/kg | 1420 | -- | 40 |
| Aroclor 1262 | ND | | ug/kg | 1420 | -- | 40 |
| Aroclor 1268 | ND | | ug/kg | 1420 | -- | 40 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115257

**Project Number:** C563-001 **Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-04 | D | Date Collected: | 09/23/11 13:53 |
| Client ID: | SB-211 (0-1) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/29/11 17:57 |
| Analytical Date: | 10/03/11 09:08 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/30/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/30/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 4360 | | ug/kg | 1420 | -- | 40 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115257-05 | Date Collected: | 09/23/11 13:55 |
| Client ID: | SB-211 (1-2) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/25/11 14:48 |
| Analytical Date: | 09/28/11 20:55 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 |
| Decachlorobiphenyl | 59 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 68 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115257-06 | Date Collected: | 09/23/11 13:57 |
| Client ID: | SB-211 (2-3) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/25/11 14:48 |
| Analytical Date: | 09/28/11 21:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 78% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 41.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 41.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 41.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 41.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 41.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 41.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 41.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 41.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 41.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 53 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 64 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115257-07 | Date Collected: | 09/23/11 13:59 |
| Client ID: | SB-211 (3-4) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/29/11 17:57 |
| Analytical Date: | 09/30/11 15:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/30/11 |
| Percent Solids: | 72% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/30/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 44.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 44.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 44.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 44.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 44.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 44.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 44.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 44.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 44.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 |
| Decachlorobiphenyl | 49 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115257
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## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115257-08 | Date Collected: | 09/23/11 14:01 |
| Client ID: | SB-211 (4-5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/25/11 14:48 |
| Analytical Date: | 09/28/11 21:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115257

**Project Number:** C563-001 **Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-09 | D | Date Collected: | 09/23/11 14:03 |
| Client ID: | SB-211 (5-6) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/25/11 14:48 |
| Analytical Date: | 09/29/11 16:59 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 83% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 188 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 188 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 133 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-09 | D | Date Collected: | 09/23/11 14:03 |
| Client ID: | SB-211 (5-6) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/25/11 14:48 |
| Analytical Date: | 09/29/11 16:59 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 83% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 2040 | | ug/kg | 188 | -- | 5 |
| Aroclor 1254 | 1200 | | ug/kg | 188 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 133 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-11 | D | Date Collected: | 09/23/11 13:23 |
| Client ID: | SB-209 (1-2) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/25/11 14:48 |
| Analytical Date: | 09/30/11 10:06 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 168000 | -- | 5000 |
| Aroclor 1221 | ND | | ug/kg | 168000 | -- | 5000 |
| Aroclor 1232 | ND | | ug/kg | 168000 | -- | 5000 |
| Aroclor 1242 | ND | | ug/kg | 168000 | -- | 5000 |
| Aroclor 1260 | ND | | ug/kg | 168000 | -- | 5000 |
| Aroclor 1262 | ND | | ug/kg | 168000 | -- | 5000 |
| Aroclor 1268 | ND | | ug/kg | 168000 | -- | 5000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-11 | D | Date Collected: | 09/23/11 13:23 |
| Client ID: | SB-209 (1-2) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/25/11 14:48 |
| Analytical Date: | 09/30/11 10:06 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1248 | 690000 | | ug/kg | 168000 | -- | 5000 |
| Aroclor 1254 | 269000 | | ug/kg | 168000 | -- | 5000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115257

**Project Number:** C563-001 **Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-12 | D | Date Collected: | 09/23/11 13:25 |
| Client ID: | SB-209 (2-3) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/25/11 14:48 |
| Analytical Date: | 09/29/11 17:25 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7060 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7060 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7060 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7060 | -- | 200 |
| Aroclor 1254 | 30000 | | ug/kg | 7060 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7060 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7060 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7060 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115257

**Project Number:** C563-001 **Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-12 | D | Date Collected: | 09/23/11 13:25 |
| Client ID: | SB-209 (2-3) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/25/11 14:48 |
| Analytical Date: | 09/29/11 17:25 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 54900 | | ug/kg | 7060 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-13 | D | Date Collected: | 09/23/11 13:27 |
| Client ID: | SB-209 (3-4) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 09/29/11 22:28 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1248 | 1670 | | ug/kg | 173 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 173 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 173 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 |
| Decachlorobiphenyl | 49 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115257

**Project Number:** C563-001 **Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-13 | D | Date Collected: | 09/23/11 13:27 |
| Client ID: | SB-209 (3-4) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 09/29/11 22:28 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 338 | | ug/kg | 173 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 |
| Decachlorobiphenyl | 49 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115257-14 | Date Collected: | 09/23/11 13:29 |
| Client ID: | SB-209 (4-5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 09/28/11 18:51 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115257-14 | Date Collected: | 09/23/11 13:29 |
| Client ID: | SB-209 (4-5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 09/28/11 18:51 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 36.3 | | ug/kg | 35.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115257

**Project Number:** C563-001 **Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-15 | D | Date Collected: | 09/23/11 13:31 |
| Client ID: | SB-209 (5-6) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 09/30/11 10:19 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3730 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3730 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3730 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3730 | -- | 100 |
| Aroclor 1248 | 14700 | | ug/kg | 3730 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3730 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3730 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3730 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115257

**Project Number:** C563-001 **Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-15 | D | Date Collected: | 09/23/11 13:31 |
| Client ID: | SB-209 (5-6) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 09/30/11 10:19 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 5710 | | ug/kg | 3730 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115257

**Project Number:** C563-001 **Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-18 | D | Date Collected: | 09/23/11 13:24 |
| Client ID: | SB-5209 (1-2) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 09/30/11 14:06 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 71900 | -- | 2000 |
| Aroclor 1221 | ND | | ug/kg | 71900 | -- | 2000 |
| Aroclor 1232 | ND | | ug/kg | 71900 | -- | 2000 |
| Aroclor 1242 | ND | | ug/kg | 71900 | -- | 2000 |
| Aroclor 1248 | 356000 | | ug/kg | 71900 | -- | 2000 |
| Aroclor 1260 | ND | | ug/kg | 71900 | -- | 2000 |
| Aroclor 1262 | ND | | ug/kg | 71900 | -- | 2000 |
| Aroclor 1268 | ND | | ug/kg | 71900 | -- | 2000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115257

**Project Number:** C563-001 **Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-18 | D | Date Collected: | 09/23/11 13:24 |
| Client ID: | SB-5209 (1-2) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 09/30/11 14:06 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 152000 | | ug/kg | 71900 | -- | 2000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115257

**Project Number:** C563-001 **Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-23 | D | Date Collected: | 09/23/11 14:25 |
| Client ID: | SB-213 (0-1) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 09/29/11 18:18 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3600 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3600 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3600 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3600 | -- | 100 |
| Aroclor 1248 | 58800 | | ug/kg | 3600 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3600 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3600 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3600 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115257

**Project Number:** C563-001 **Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-23 | D | Date Collected: | 09/23/11 14:25 |
| Client ID: | SB-213 (0-1) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 09/29/11 18:18 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 29500 | | ug/kg | 3600 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115257

**Project Number:** C563-001 **Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-24 | D | Date Collected: | 09/23/11 14:27 |
| Client ID: | SB-213 (1-2) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 09/29/11 18:32 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3420 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3420 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3420 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3420 | -- | 100 |
| Aroclor 1248 | 53900 | | ug/kg | 3420 | -- | 100 |
| Aroclor 1254 | 25500 | | ug/kg | 3420 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3420 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3420 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3420 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115257

**Project Number:** C563-001 **Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-25 | D | Date Collected: | 09/23/11 14:29 |
| Client ID: | SB-213 (2-3) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 09/29/11 18:45 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3570 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3570 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3570 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3570 | -- | 100 |
| Aroclor 1254 | 20700 | | ug/kg | 3570 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3570 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3570 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3570 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115257

**Project Number:** C563-001 **Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-25 | D | Date Collected: | 09/23/11 14:29 |
| Client ID: | SB-213 (2-3) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 09/29/11 18:45 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 42900 | | ug/kg | 3570 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115257

**Project Number:** C563-001 **Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-26 | D | Date Collected: | 09/23/11 14:31 |
| Client ID: | SB-213 (3-4) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 09/29/11 17:52 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1254 | 1250 | | ug/kg | 373 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 373 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 373 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1115257

**Project Number:** C563-001 **Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1115257-26 | D | Date Collected: | 09/23/11 14:31 |
| Client ID: | SB-213 (3-4) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 09/29/11 17:52 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 2400 | | ug/kg | 373 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1115257-27 | Date Collected: | 09/23/11 14:33 |
| Client ID: | SB-213 (4-5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 09/28/11 20:24 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/28/11 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/28/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 |
| Decachlorobiphenyl | 51 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 09/28/11 19:52
Analyst: GT

Extraction Method: EPA 3540C
Extraction Date: 09/25/11 12:20
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/28/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/28/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 05-06,08-09,11-12 Batch: WG492027-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.8 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 59 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 105 | | 30-150 |
| Decachlorobiphenyl | 94 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 09/28/11 20:37
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 09/26/11 21:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/28/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/28/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 13-15,18,23-27 Batch: WG492239-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.1 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 |
| Decachlorobiphenyl | 94 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 09/30/11 15:46
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 09/29/11 17:57
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/30/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/30/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 04,07 Batch: WG493060-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.1 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 58 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 68 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 05-06,08-09,11-12 Batch: WG492027-2 WG492027-3 | | | | | | | | |
| Aroclor 1016 | 84 | | 82 | | 40-140 | 2 | | 50 |
| Aroclor 1260 | 70 | | 74 | | 40-140 | 6 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 76 | | 30-150 |
| Decachlorobiphenyl | 62 | | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 90 | | 30-150 |
| Decachlorobiphenyl | 84 | | 85 | | 30-150 |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 13-15,18,23-27 Batch: WG492239-2 WG492239-3 | | | | | | | | |
| Aroclor 1016 | 96 | | 76 | | 40-140 | 23 | | 50 |
| Aroclor 1260 | 101 | | 88 | | 40-140 | 14 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 95 | | 75 | | 30-150 |
| Decachlorobiphenyl | 71 | | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 77 | | 30-150 |
| Decachlorobiphenyl | 93 | | 86 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 04,07 Batch: WG493060-2 WG493060-3 | | | | | | | | |
| Aroclor 1016 | 75 | | 76 | | 40-140 | 1 | | 50 |
| Aroclor 1260 | 80 | | 72 | | 40-140 | 11 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 78 | | 30-150 |
| Decachlorobiphenyl | 61 | | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 79 | | 30-150 |
| Decachlorobiphenyl | 71 | | 70 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

Lab ID: L1115257-04
Client ID: SB-211 (0-1)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:53
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

Lab ID: L1115257-05
Client ID: SB-211 (1-2)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:55
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

Lab ID: L1115257-06
Client ID: SB-211 (2-3)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:57
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 78 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

Lab ID: L1115257-07
Client ID: SB-211 (3-4)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:59
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 72 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

Lab ID: L1115257-08
Client ID: SB-211 (4-5)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:01
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

Lab ID: L1115257-09
Client ID: SB-211 (5-6)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:03
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

Lab ID: L1115257-11
Client ID: SB-209 (1-2)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:23
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

Lab ID: L1115257-12
Client ID: SB-209 (2-3)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:25
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

Lab ID: L1115257-13
Client ID: SB-209 (3-4)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:27
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

Lab ID: L1115257-14
Client ID: SB-209 (4-5)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:29
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

Lab ID: L1115257-15
Client ID: SB-209 (5-6)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:31
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

Lab ID: L1115257-18
Client ID: SB-5209 (1-2)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:24
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

Lab ID: L1115257-23
Client ID: SB-213 (0-1)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:25
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

Lab ID: L1115257-24
Client ID: SB-213 (1-2)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:27
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

Lab ID: L1115257-25
Client ID: SB-213 (2-3)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:29
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

Lab ID: L1115257-26
Client ID: SB-213 (3-4)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:31
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## SAMPLE RESULTS

Lab ID: L1115257-27
Client ID: SB-213 (4-5)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:33
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 09/27/11 14:13 | 30,2540G | MD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 04-09,11-15,18,23-27 QC Batch ID: WG492466-1 QC Sample: L1115256-17 Client ID: DUP Sample | | | | | | |
| Solids, Total | 92 | 91 | % | 1 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| B | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1115257-01A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115257-02A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115257-03A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115257-04A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115257-05A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115257-06A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115257-07A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115257-08A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115257-09A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115257-10A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115257-11A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115257-12A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115257-13A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115257-14A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115257-15A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115257-16A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115257-16B | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115257-16C | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115257-17A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115257-18A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115257-19A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115257-20A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115257-21A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115257-22A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |
| L1115257-23A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115257-24A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115257-25A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1115257
**Report Date:** 10/03/11

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1115257-26A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115257-27A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1115257-28A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | S-EXT-8082(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115257 |
| **Project Number:** | C563-001 | **Report Date:** | 10/03/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **NJ** | - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115257 |
| **Project Number:** | C563-001 | **Report Date:** | 10/03/11 |

***Data Qualifiers***

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1115257 |
| **Project Number:** | C563-001 | **Report Date:** | 10/03/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised September 19, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 12 OF 14

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1115257

**Client Information**

Client: ESS Group

Address: East Providence

Phone: 401 330 1218

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:

Project Location:

Project #: C563

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB's w/SOX | SAMPLE HANDLING | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|
| 15257.1 | SB-212 (5-6) | 9-23 | 1419 | S | MP | X | | | Extract & HOLD |
| 2 | SB-212 (6-7) | | 1421 | | | X | | | Extract & HOLD |
| 3 | SB-212 (7-8) | | 1423 | | | X | | | Extract & HOLD |
| 4 | SB-211 (0-1) | | 1353 | | | X | | | |
| 5 | SB-211 (1-2) | | 1355 | | | X | | | |
| 6 | SB-211 (2-3) | | 1357 | | | X | | | |
| 7 | SB-211 (3-4) | | 1359 | | | X | | | |
| 8 | SB-211 (4-5) | | 1401 | | | X | | | |
| 9 | SB-211 (5-6) | | 1403 | | | X | | | |
| 10 | SB-211 (6-7) | | 1405 | | | X | | | Extract & HOLD |

SAMPLE HANDLING

Filtration

☐ Done ☐ Not needed ☐ Lab to do

Preservation

☐ Lab to do (Please specify below)

Container Type

Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 9-23 1535 | P. Gilbert | 9/23/11 1535 |
| | 9/23/11 1755 | | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 13 OF 14

Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1115257


ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: ESS Group

Address: East Providence

Phone: 401 330-1218

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:

Project Location:

Project #: C563

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/ SOX

**SAMPLE HANDLING**

*Filtration*
☐ Done ☐ Not needed ☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's w/ SOX | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 15257.11 | SB-209 (1-2) | 9-23 | 1323 | S | MP | X | | |
| 12 | SB-209 (2-3) | | 1325 | | | X | | |
| 13 | SB-209 (3-4) | | 1327 | | | X | | |
| 14 | SB-209 (4-5) | | 1329 | | | X | | |
| 15 | SB-209 (5-6) | | 1331 | | | X | | |
| 16 | SB-209 (6-7) | | 1333 | | | X | Extract & HOLD | |
| 17 | SB-209 (7-8) | | 1335 | | | X | Extract & HOLD | |
| 18 | SB-5209 (1-2) | | 1324 | | | X | | |
| 19 | SB-209 (6-7) MS | | 1332 | | | X | | |
| 16 | SB-209 (6-7) MSD | | 1334 | | | X | | |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| | Container Type | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Preservative | | | | | | | | | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 9-23 1535 | P. Gilbert | 9/23/11 1535 |
| | 9/23/11 1755 | | 9/23/11 1751 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

PAGE 14 OF 14

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1115257

## Client Information

Client: ESS Group

Address: East Providence

Phone: 401 330 1218

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name:

Project Location:

Project #: C563

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time:

## Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program | Criteria

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/SOX Ext.

**SAMPLE HANDLING**

*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's w/SOX Ext. | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 15257 19 | SB-195(0-1) | 9-23 | 1440 | S | MP | X | Extract & HOLD | |
| 20 | SB-195(1-2) | | 1441 | | | X | Extract & HOLD | |
| 21 | SB-195(2-3) | | 1442 | | | X | Extract & HOLD | |
| 22 | SB-195(3-4) | | 1443 | | | X | Extract & HOLD | |
| 23 | SB-213(0-1) | | 1425 | | | X | | |
| 24 | SB-213(1-2) | | 1427 | | | X | | |
| 25 | SB-213(2-3) | | 1429 | | | X | | |
| 26 | SB-213(3-4) | | 1431 | | | X | | |
| 27 | SB-213(4-5) | | 1433 | | | X | | |
| 28 | SB-213(5-6) | | 1435 | | | X | Extract & HOLD | |

Container Type

Preservative

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 9-23 1535 | P. Gilbert | 9/23/11 1535 |
| P. Gilbert | 9/23/11 1755 | | 9/23/11 1757 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1116682 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C563-001 |
| Report Date: | 10/20/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1116682-01 | SB-206(6-7) | 1 INDIA STREET | 09/23/11 12:15 |
| L1116682-02 | SB-206(7-8) | 1 INDIA STREET | 09/23/11 12:20 |
| L1116682-03 | SB-208(5-6) | 1 INDIA STREET | 09/23/11 13:15 |
| L1116682-04 | SB-208(6-7) | 1 INDIA STREET | 09/23/11 13:17 |
| L1116682-05 | SB-208(7-8) | 1 INDIA STREET | 09/23/11 13:19 |
| L1116682-06 | SB-210(0-1) | 1 INDIA STREET | 09/23/11 13:37 |
| L1116682-07 | SB-210(1-2) | 1 INDIA STREET | 09/23/11 13:39 |
| L1116682-08 | SB-210(2-3) | 1 INDIA STREET | 09/23/11 13:41 |
| L1116682-09 | SB-210(3-4) | 1 INDIA STREET | 09/23/11 13:43 |
| L1116682-10 | SB-210(4-5) | 1 INDIA STREET | 09/23/11 13:45 |
| L1116682-11 | SB-210(5-6) | 1 INDIA STREET | 09/23/11 13:47 |
| L1116682-12 | SB-210(6-7) | 1 INDIA STREET | 09/23/11 13:49 |
| L1116682-13 | SB-211(7-8) | 1 INDIA STREET | 09/23/11 14:07 |
| L1116682-14 | SB-207(0-1) | 1 INDIA STREET | 09/23/11 12:25 |
| L1116682-15 | SB-207(1-2) | 1 INDIA STREET | 09/23/11 12:30 |
| L1116682-16 | SB-207(2-3) | 1 INDIA STREET | 09/23/11 12:35 |
| L1116682-17 | SB-207(3-4) | 1 INDIA STREET | 09/23/11 12:40 |
| L1116682-18 | SB-207(4-5) | 1 INDIA STREET | 09/23/11 12:45 |
| L1116682-19 | SB-207(5-6) | 1 INDIA STREET | 09/23/11 12:50 |
| L1116682-20 | SB-207(6-7) | 1 INDIA STREET | 09/23/11 12:55 |
| L1116682-21 | SB-207(7-8) | 1 INDIA STREET | 09/23/11 13:00 |
| L1116682-22 | SB-213(6-7) | 1 INDIA STREET | 09/23/11 14:37 |
| L1116682-23 | SB-196(3-4) | 1 INDIA STREET | 09/23/11 14:47 |
| L1116682-24 | SB-211 (6-7) | 1 INDIA STREET | 09/23/11 14:05 |
| L1116682-25 | SB-209 (6-7) | 1 INDIA STREET | 09/23/11 13:33 |
| L1116682-26 | SB-209 (7-8) | 1 INDIA STREET | 09/23/11 13:35 |
| L1116682-27 | SB-213 (5-6) | 1 INDIA STREET | 09/23/11 14:35 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCBs

L1116682-03 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the target compounds present in the sample.

L1116682-04, -06, -07, -08, -10, -11, -12, -14 through -17, -19, -22 and -27RE have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1116682-27 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the target compounds present in the sample.

The surrogate recoveries for L1116682-03, 04, -06, -07, -08, -10, -11, -12, -14 through -17, -19, -22, -27 and -27RE are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the

**Project Name:** MCALLISTER **Lab Number:** L1116682
**Project Number:** C563-001 **Report Date:** 10/20/11

**Case Narrative (continued)**

results of the original analyses are reported.

The dual column RPD for L1116682-09 is above the acceptance criteria for Aroclor 1248; however, no obvious column interferences are present. The higher of the two results is reported and qualified with a "P".

L1116682-27 was re-extracted because the Method Blank in the original extraction had failed internal standard. The re-extraction was done with the method required holding time exceeded. The results of both analyses are being reported.

WG496178-1 Method Blank: The internal standard (IS) response for 1-Bromo-2-Nitrobenzene was below the acceptance criteria; however, the associated samples had acceptable internal standard recoveries and were non-detect. Due to the low internal standard response, the surrogate recoveries for the WG496178-1 Method Blank, associated with L1116682-25 and -26, are outside the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (486%/533%) and Decachlorobiphenyl (338%/402%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 10/20/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1116682-01 | Date Collected: | 09/23/11 12:15 |
| Client ID: | SB-206(6-7) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/18/11 14:48 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1248 | 379 | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 76 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1116682-02 | Date Collected: | 09/23/11 12:20 |
| Client ID: | SB-206(7-8) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/18/11 15:00 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 112 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1116682

**Project Number:** C563-001 **Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-03 | D | Date Collected: | 09/23/11 13:15 |
| Client ID: | SB-208(5-6) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/19/11 10:52 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 20300 | -- | 600 |
| Aroclor 1221 | ND | | ug/kg | 20300 | -- | 600 |
| Aroclor 1232 | ND | | ug/kg | 20300 | -- | 600 |
| Aroclor 1242 | ND | | ug/kg | 20300 | -- | 600 |
| Aroclor 1248 | 171000 | | ug/kg | 20300 | -- | 600 |
| Aroclor 1254 | ND | | ug/kg | 20300 | -- | 600 |
| Aroclor 1260 | ND | | ug/kg | 20300 | -- | 600 |
| Aroclor 1262 | ND | | ug/kg | 20300 | -- | 600 |
| Aroclor 1268 | ND | | ug/kg | 20300 | -- | 600 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-04 | D | Date Collected: | 09/23/11 13:17 |
| Client ID: | SB-208(6-7) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/19/11 11:04 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 69% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 464 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 464 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 464 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 464 | -- | 10 |
| Aroclor 1254 | ND | | ug/kg | 464 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 464 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 464 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 464 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1116682

**Project Number:** C563-001 **Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-04 | D | Date Collected: | 09/23/11 13:17 |
| Client ID: | SB-208(6-7) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/19/11 11:04 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 69% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 1940 | | ug/kg | 464 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1116682-05 | Date Collected: | 09/23/11 13:19 |
| Client ID: | SB-208(7-8) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/18/11 15:13 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 82 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1116682

**Project Number:** C563-001 **Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-06 | D | Date Collected: | 09/23/11 13:37 |
| Client ID: | SB-210(0-1) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/19/11 11:17 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7560 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7560 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7560 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7560 | -- | 200 |
| Aroclor 1254 | ND | | ug/kg | 7560 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7560 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7560 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7560 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-06 | D | Date Collected: | 09/23/11 13:37 |
| Client ID: | SB-210(0-1) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/19/11 11:17 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 85% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 55600 | | ug/kg | 7560 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-07 | D | Date Collected: | 09/23/11 13:39 |
| Client ID: | SB-210(1-2) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/20/11 11:51 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 83800 | -- | 2500 |
| Aroclor 1221 | ND | | ug/kg | 83800 | -- | 2500 |
| Aroclor 1232 | ND | | ug/kg | 83800 | -- | 2500 |
| Aroclor 1242 | ND | | ug/kg | 83800 | -- | 2500 |
| Aroclor 1248 | 241000 | | ug/kg | 83800 | -- | 2500 |
| Aroclor 1254 | ND | | ug/kg | 83800 | -- | 2500 |
| Aroclor 1260 | ND | | ug/kg | 83800 | -- | 2500 |
| Aroclor 1262 | ND | | ug/kg | 83800 | -- | 2500 |
| Aroclor 1268 | ND | | ug/kg | 83800 | -- | 2500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-08 | D | Date Collected: | 09/23/11 13:41 |
| Client ID: | SB-210(2-3) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/20/11 12:04 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34800 | -- | 1000 |
| Aroclor 1221 | ND | | ug/kg | 34800 | -- | 1000 |
| Aroclor 1232 | ND | | ug/kg | 34800 | -- | 1000 |
| Aroclor 1242 | ND | | ug/kg | 34800 | -- | 1000 |
| Aroclor 1248 | 106000 | | ug/kg | 34800 | -- | 1000 |
| Aroclor 1254 | ND | | ug/kg | 34800 | -- | 1000 |
| Aroclor 1260 | ND | | ug/kg | 34800 | -- | 1000 |
| Aroclor 1262 | ND | | ug/kg | 34800 | -- | 1000 |
| Aroclor 1268 | ND | | ug/kg | 34800 | -- | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1116682-09 | Date Collected: | 09/23/11 13:43 |
| Client ID: | SB-210(3-4) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/18/11 15:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1248 | 114 | P | ug/kg | 37.2 | -- | 1 |
| Aroclor 1254 | 64.3 | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 103 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 100 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-10 | D | Date Collected: | 09/23/11 13:45 |
| Client ID: | SB-210(4-5) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/19/11 11:54 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3590 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3590 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3590 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3590 | -- | 100 |
| Aroclor 1248 | 22100 | | ug/kg | 3590 | -- | 100 |
| Aroclor 1254 | ND | | ug/kg | 3590 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3590 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3590 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3590 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1116682

**Project Number:** C563-001 **Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-11 | D | Date Collected: | 09/23/11 13:47 |
| Client ID: | SB-210(5-6) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/20/11 11:11 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 6860 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 6860 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 6860 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 6860 | -- | 200 |
| Aroclor 1254 | ND | | ug/kg | 6860 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 6860 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 6860 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 6860 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1116682

**Project Number:** C563-001 **Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-11 | D | Date Collected: | 09/23/11 13:47 |
| Client ID: | SB-210(5-6) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/20/11 11:11 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 66500 | | ug/kg | 6860 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1116682

**Project Number:** C563-001 **Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-12 | D | Date Collected: | 09/23/11 13:49 |
| Client ID: | SB-210(6-7) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/19/11 12:18 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 6710 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 6710 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 6710 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 6710 | -- | 200 |
| Aroclor 1248 | 47200 | | ug/kg | 6710 | -- | 200 |
| Aroclor 1254 | ND | | ug/kg | 6710 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 6710 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 6710 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 6710 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1116682-13 | Date Collected: | 09/23/11 14:07 |
| Client ID: | SB-211(7-8) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/18/11 15:38 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 |
| Decachlorobiphenyl | 89 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 86 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1116682

**Project Number:** C563-001 **Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-14 | D | Date Collected: | 09/23/11 12:25 |
| Client ID: | SB-207(0-1) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/19/11 12:31 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1254 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1780 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1780 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1116682

**Project Number:** C563-001 **Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-14 | D | Date Collected: | 09/23/11 12:25 |
| Client ID: | SB-207(0-1) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/19/11 12:31 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 9820 | | ug/kg | 1780 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1116682

**Project Number:** C563-001 **Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-15 | D | Date Collected: | 09/23/11 12:30 |
| Client ID: | SB-207(1-2) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/19/11 12:43 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3710 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3710 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3710 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3710 | -- | 100 |
| Aroclor 1254 | ND | | ug/kg | 3710 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3710 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3710 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3710 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1116682

**Project Number:** C563-001 **Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-15 | D | Date Collected: | 09/23/11 12:30 |
| Client ID: | SB-207(1-2) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/19/11 12:43 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 27900 | | ug/kg | 3710 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-16 | D | Date Collected: | 09/23/11 12:35 |
| Client ID: | SB-207(2-3) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/19/11 10:27 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 697 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 697 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 697 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 697 | -- | 20 |
| Aroclor 1248 | 4010 | | ug/kg | 697 | -- | 20 |
| Aroclor 1254 | ND | | ug/kg | 697 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 697 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 697 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 697 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1116682

**Project Number:** C563-001 **Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-17 | D | Date Collected: | 09/23/11 12:40 |
| Client ID: | SB-207(3-4) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/20/11 11:38 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 176000 | -- | 5000 |
| Aroclor 1221 | ND | | ug/kg | 176000 | -- | 5000 |
| Aroclor 1232 | ND | | ug/kg | 176000 | -- | 5000 |
| Aroclor 1242 | ND | | ug/kg | 176000 | -- | 5000 |
| Aroclor 1254 | ND | | ug/kg | 176000 | -- | 5000 |
| Aroclor 1260 | ND | | ug/kg | 176000 | -- | 5000 |
| Aroclor 1262 | ND | | ug/kg | 176000 | -- | 5000 |
| Aroclor 1268 | ND | | ug/kg | 176000 | -- | 5000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1116682

**Project Number:** C563-001 **Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-17 | D | Date Collected: | 09/23/11 12:40 |
| Client ID: | SB-207(3-4) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/26/11 21:30 |
| Analytical Date: | 10/20/11 11:38 | | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 636000 | | ug/kg | 176000 | -- | 5000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1116682-18 | Date Collected: | 09/23/11 12:45 |
| Client ID: | SB-207(4-5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/27/11 19:50 |
| Analytical Date: | 10/17/11 11:23 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 80% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 40.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 40.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 40.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 40.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 40.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 40.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 40.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 74 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1116682-18 | Date Collected: | 09/23/11 12:45 |
| Client ID: | SB-207(4-5) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/27/11 19:50 |
| Analytical Date: | 10/17/11 11:23 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 80% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 43.7 | | ug/kg | 40.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 74 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-19 | D | Date Collected: | 09/23/11 12:50 |
| Client ID: | SB-207(5-6) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/27/11 19:50 |
| Analytical Date: | 10/20/11 11:25 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35600 | -- | 1000 |
| Aroclor 1221 | ND | | ug/kg | 35600 | -- | 1000 |
| Aroclor 1232 | ND | | ug/kg | 35600 | -- | 1000 |
| Aroclor 1242 | ND | | ug/kg | 35600 | -- | 1000 |
| Aroclor 1248 | 165000 | | ug/kg | 35600 | -- | 1000 |
| Aroclor 1254 | ND | | ug/kg | 35600 | -- | 1000 |
| Aroclor 1260 | ND | | ug/kg | 35600 | -- | 1000 |
| Aroclor 1262 | ND | | ug/kg | 35600 | -- | 1000 |
| Aroclor 1268 | ND | | ug/kg | 35600 | -- | 1000 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1116682-20 | Date Collected: | 09/23/11 12:55 |
| Client ID: | SB-207(6-7) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/27/11 19:50 |
| Analytical Date: | 10/17/11 11:49 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 71% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 46.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 46.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 46.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 46.3 | -- | 1 |
| Aroclor 1248 | 387 | | ug/kg | 46.3 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 46.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 46.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 46.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 46.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 50 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
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**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1116682-21 | Date Collected: | 09/23/11 13:00 |
| Client ID: | SB-207(7-8) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/27/11 19:50 |
| Analytical Date: | 10/17/11 12:03 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 58 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1116682

**Project Number:** C563-001 **Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-22 | D | Date Collected: | 09/23/11 14:37 |
| Client ID: | SB-213(6-7) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/27/11 19:50 |
| Analytical Date: | 10/19/11 10:15 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 95% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 6830 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 6830 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 6830 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 6830 | -- | 200 |
| Aroclor 1254 | ND | | ug/kg | 6830 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 6830 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 6830 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 6830 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1116682

**Project Number:** C563-001 **Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-22 | D | Date Collected: | 09/23/11 14:37 |
| Client ID: | SB-213(6-7) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/27/11 19:50 |
| Analytical Date: | 10/19/11 10:15 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 95% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 66800 | | ug/kg | 6830 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
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**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1116682-23 | Date Collected: | 09/23/11 14:47 |
| Client ID: | SB-196(3-4) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/27/11 19:50 |
| Analytical Date: | 10/17/11 12:29 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 55 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
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**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1116682-24 | Date Collected: | 09/23/11 14:05 |
| Client ID: | SB-211 (6-7) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/27/11 19:50 |
| Analytical Date: | 10/17/11 12:42 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 66% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 49.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 49.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 49.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 49.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 49.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 49.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 49.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 49.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 49.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 52 | | 30-150 |
| Decachlorobiphenyl | 43 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 52 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1116682-25 | Date Collected: | 09/23/11 13:33 |
| Client ID: | SB-209 (6-7) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/27/11 21:10 |
| Analytical Date: | 10/17/11 14:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 71% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 45.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 45.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 45.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 45.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 45.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 45.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 45.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 45.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 45.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 64 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1116682-26 | Date Collected: | 09/23/11 13:35 |
| Client ID: | SB-209 (7-8) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/27/11 21:10 |
| Analytical Date: | 10/17/11 14:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 63 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | |
|---|---|---|
| Lab ID: | L1116682-27 | RE/D |
| Client ID: | SB-213 (5-6) | |
| Sample Location: | 1 INDIA STREET | |
| Matrix: | Soil | |
| Analytical Method: | 1,8082 | |
| Analytical Date: | 10/19/11 15:23 | |
| Analyst: | KB | |
| Percent Solids: | 92% | |

| | |
|---|---|
| Date Collected: | 09/23/11 14:35 |
| Date Received: | 09/23/11 |
| Field Prep: | Not Specified |
| Extraction Method: | EPA 3540C |
| Extraction Date: | 10/18/11 12:40 |
| Cleanup Method1: | EPA 3665A |
| Cleanup Date1: | 10/19/11 |
| Cleanup Method2: | EPA 3660B |
| Cleanup Date2: | 10/19/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 13700 | -- | 400 |
| Aroclor 1221 | ND | | ug/kg | 13700 | -- | 400 |
| Aroclor 1232 | ND | | ug/kg | 13700 | -- | 400 |
| Aroclor 1242 | ND | | ug/kg | 13700 | -- | 400 |
| Aroclor 1248 | 87700 | | ug/kg | 13700 | -- | 400 |
| Aroclor 1254 | ND | | ug/kg | 13700 | -- | 400 |
| Aroclor 1260 | ND | | ug/kg | 13700 | -- | 400 |
| Aroclor 1262 | ND | | ug/kg | 13700 | -- | 400 |
| Aroclor 1268 | ND | | ug/kg | 13700 | -- | 400 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1116682-27 | D | Date Collected: | 09/23/11 14:35 |
| Client ID: | SB-213 (5-6) | | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 09/27/11 21:10 |
| Analytical Date: | 10/20/11 12:25 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 6940 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 6940 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 6940 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 6940 | -- | 200 |
| Aroclor 1248 | 32500 | | ug/kg | 6940 | -- | 200 |
| Aroclor 1254 | ND | | ug/kg | 6940 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 6940 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 6940 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 6940 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/18/11 17:53
Analyst: GT

Extraction Method: EPA 3540C
Extraction Date: 09/26/11 21:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/29/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/29/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-17 Batch: WG496169-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.1 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/17/11 13:22
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 09/27/11 19:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/29/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/29/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 18-24 Batch: WG496170-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.1 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 128 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 141 | | 30-150 |
| Decachlorobiphenyl | 114 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/17/11 15:08
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 09/27/11 21:10
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/29/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/29/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 25-26 Batch: WG496178-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **486** | Q | 30-150 |
| Decachlorobiphenyl | **338** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **533** | Q | 30-150 |
| Decachlorobiphenyl | **402** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/19/11 16:44
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 10/18/11 12:40
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/19/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 10/19/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 27 Batch: WG496636-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 31.9 | -- |
| Aroclor 1221 | ND | | ug/kg | 31.9 | -- |
| Aroclor 1232 | ND | | ug/kg | 31.9 | -- |
| Aroclor 1242 | ND | | ug/kg | 31.9 | -- |
| Aroclor 1248 | ND | | ug/kg | 31.9 | -- |
| Aroclor 1254 | ND | | ug/kg | 31.9 | -- |
| Aroclor 1260 | ND | | ug/kg | 31.9 | -- |
| Aroclor 1262 | ND | | ug/kg | 31.9 | -- |
| Aroclor 1268 | ND | | ug/kg | 31.9 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 |
| Decachlorobiphenyl | 76 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 104 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-17 Batch: WG496169-2 WG496169-3 | | | | | | | | |
| Aroclor 1016 | 82 | | 81 | | 40-140 | 1 | | 50 |
| Aroclor 1260 | 103 | | 104 | | 40-140 | 1 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 74 | | 30-150 |
| Decachlorobiphenyl | 83 | | 80 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 72 | | 30-150 |
| Decachlorobiphenyl | 89 | | 82 | | 30-150 |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 18-24 Batch: WG496170-2 WG496170-3 | | | | | | | | |
| Aroclor 1016 | 94 | | 86 | | 40-140 | 9 | | 50 |
| Aroclor 1260 | 65 | | 74 | | 40-140 | 13 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 91 | | 30-150 |
| Decachlorobiphenyl | 55 | | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 99 | | 30-150 |
| Decachlorobiphenyl | 70 | | 76 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 25-26 Batch: WG496178-2 WG496178-3 | | | | | | | | |
| Aroclor 1016 | 78 | | 93 | | 40-140 | 18 | | 50 |
| Aroclor 1260 | 69 | | 87 | | 40-140 | 23 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 100 | | 30-150 |
| Decachlorobiphenyl | 56 | | 72 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 98 | | 30-150 |
| Decachlorobiphenyl | 58 | | 76 | | 30-150 |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 27 Batch: WG496636-2 WG496636-3 | | | | | | | | |
| Aroclor 1016 | 110 | | 118 | | 40-140 | 7 | | 50 |
| Aroclor 1260 | 91 | | 105 | | 40-140 | 14 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 108 | | 109 | | 30-150 |
| Decachlorobiphenyl | 76 | | 89 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 104 | | 30-150 |
| Decachlorobiphenyl | 94 | | 105 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-01
Client ID: SB-206(6-7)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 12:15
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 10/17/11 14:05 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-02
Client ID: SB-206(7-8)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 12:20
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 10/17/11 14:05 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-03
Client ID: SB-208(5-6)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:15
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 10/17/11 14:05 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-04
Client ID: SB-208(6-7)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:17
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 69 | | % | 0.10 | NA | 1 | - | 10/17/11 14:05 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-05
Client ID: SB-208(7-8)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:19
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 10/17/11 14:05 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-06
Client ID: SB-210(0-1)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:37
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 10/17/11 14:05 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-07
Client ID: SB-210(1-2)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:39
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 10/17/11 14:05 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-08
Client ID: SB-210(2-3)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:41
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 10/17/11 14:05 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-09
Client ID: SB-210(3-4)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:43
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 10/17/11 14:05 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-10
Client ID: SB-210(4-5)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:45
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 10/17/11 14:46 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-11
Client ID: SB-210(5-6)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:47
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 10/17/11 14:46 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-12
Client ID: SB-210(6-7)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:49
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 10/17/11 14:46 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-13
Client ID: SB-211(7-8)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:07
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 10/17/11 14:46 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-14
Client ID: SB-207(0-1)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 12:25
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 10/17/11 14:46 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-15
Client ID: SB-207(1-2)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 12:30
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 10/17/11 14:46 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-16
Client ID: SB-207(2-3)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 12:35
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 10/17/11 14:46 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-17
Client ID: SB-207(3-4)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 12:40
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 10/17/11 14:46 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-18
Client ID: SB-207(4-5)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 12:45
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 80 | | % | 0.10 | NA | 1 | - | 10/17/11 14:46 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-19
Client ID: SB-207(5-6)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 12:50
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 10/17/11 14:46 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-20
Client ID: SB-207(6-7)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 12:55
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 71 | | % | 0.10 | NA | 1 | - | 10/17/11 14:46 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-21
Client ID: SB-207(7-8)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:00
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 10/17/11 14:46 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-22
Client ID: SB-213(6-7)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:37
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 10/17/11 14:46 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-23
Client ID: SB-196(3-4)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:47
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 10/17/11 14:46 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-24
Client ID: SB-211 (6-7)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:05
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 66 | | % | 0.10 | NA | 1 | - | 10/17/11 14:46 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-25
Client ID: SB-209 (6-7)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:33
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 71 | | % | 0.10 | NA | 1 | - | 10/17/11 14:46 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-26
Client ID: SB-209 (7-8)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 13:35
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 10/17/11 14:46 | 30,2540G | MD |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## SAMPLE RESULTS

Lab ID: L1116682-27
Client ID: SB-213 (5-6)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:35
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 10/17/11 14:46 | 30,2540G | MD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG496300-1 QC Sample: L1116653-05 Client ID: DUP Sample | | | | | | |
| Solids, Total | 97 | 97 | % | 0 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 10-27 QC Batch ID: WG496313-1 QC Sample: L1116682-10 Client ID: SB-210(4-5) | | | | | | |
| Solids, Total | 90 | 91 | % | 1 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| A | Absent |
| B | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1116682-01A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7) |
| L1116682-02A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7) |
| L1116682-03A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7) |
| L1116682-04A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7) |
| L1116682-05A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7) |
| L1116682-06A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7) |
| L1116682-07A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7) |
| L1116682-08A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7) |
| L1116682-09A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7) |
| L1116682-10A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7) |
| L1116682-11A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7) |
| L1116682-12A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7) |
| L1116682-13A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7) |
| L1116682-14A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7) |
| L1116682-15A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7) |
| L1116682-16A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7) |
| L1116682-17A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7) |
| L1116682-18A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7) |
| L1116682-19A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7) |
| L1116682-20A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7) |
| L1116682-21A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7) |
| L1116682-22A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7) |
| L1116682-23A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7) |
| L1116682-24A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7) |
| L1116682-25A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7) |
| L1116682-26A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7) |

*Values in parentheses indicate holding time in days

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1116682
**Report Date:** 10/20/11

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1116682-27A | Amber 120ml unpreserved | B | N/A | 2 | Y | Absent | TS(7) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1116682 |
| **Project Number:** | C563-001 | **Report Date:** | 10/20/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **NJ** | - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1116682 |
| **Project Number:** | C563-001 | **Report Date:** | 10/20/11 |

***Data Qualifiers***

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1116682 |
| **Project Number:** | C563-001 | **Report Date:** | 10/20/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised September 19, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

L1116682

# CHAIN OF CUSTODY

PAGE 4 OF 14

Date Rec'd in Lab: 9/23/11

ALPHA Job #: ~~L1115253~~ (4) 1014

ALPHA TECHNICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group
Address: 401 Wampanoang trail
E. Providence, RI 02195
Phone: 401-330-1251
Fax: 401-434-8158
Email: KPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister
Project Location: 1 Indian Street
Project #: C563-001
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 10/20/11 ~~9/30/11~~ Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State/Fed Program RI Criteria RIDEM Method 1

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☒ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, Indicate In Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**
*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB w/ SOX extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| ~~15253~~ 11 | SB-206 (2-3) | 9/23/11 | 1155 | S | MFJA | X | | |
| 16682 12 | SB-206 (3-4) | | 1200 | | | X | | |
| 13 | SB-206 (4-5) | | 1205 | | | X | | |
| 14 | SB-206 (5-6) | | 1210 | | | X | | |
| 1 15 | SB-206 (6-7) | | 1215 | | | X | Extract + Hold | |
| 2 16 | SB-206 (7-8) | | 1220 | | | X | Extract + Hold | |
| 17 | SB-205 (0-1) | | 1105 | | | X | | |
| 18 | SB-205 (1-2) | | 1110 | | | X | | |
| 19 | SB-205 (2-3) | | 1115 | | | X | | |
| 20 | SB-205 (3-4) | | 1120 | | | X | | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Container Type
Preservative

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 9-23 1535 | P. Gilbert | 9/23/11 1435 |
| | 9/23/11 1755 | | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

L1116682

# CHAIN OF CUSTODY

PAGE 6 OF 14

Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1115254

(17) 10/14

ALPHA TECHNICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

**Client Information**

Client: ESS Group, Inc
Address: 401 Wampanoaug trail
E. Providence, RI 02915
Phone: 401-330-1251
Fax: 401-434-8158
Email: KPurdy@ESSGroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: Mcallister
Project Location: 1 India Street
Project #: C563-001
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time: 10/20/11

**Report Information - Data Deliverables**

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RI Criteria RIDEM method 1

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☑ No Are MCP Analytical Methods Required?
☑ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**
*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB's w/ SOX extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 15254 9 | SB-208 (3-4) | 9/23/11 | 1311 | S | MP+JA | | | |
| 16682 10 | SB-208 (4-5) | | 1313 | | | | | |
| 3 11 | SB-208 (5-6) | | 1315 | | | X | Extract + Hold | |
| 4 12 | SB-208 (6-7) | | 1317 | | | X | Extract + Hold | |
| 5 13 | SB-208 (7-8) | | 1319 | | | X | Extract + Hold | |
| 6 14 | SB-210 (0-1) | | 1337 | | | X | Extract + Hold | |
| 7 15 | SB-210 (1-2) | | 1339 | | | X | Extract + Hold | |
| 8 16 | SB-210 (2-3) | | 1341 | | | X | Extract + Hold | |
| 9 17 | SB-210 (3-4) | | 1343 | | | X | Extract + Hold | |
| 10 18 | SB-210 (4-5) | | 1345 | | | X | Extract + Hold | |

Container Type
Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 9-23 1535 | P. Gilbert | 9/23/11 1535 |
| P. Gilbert | 9/23/11 1755 | [signature] | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# CHAIN OF CUSTODY

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Date Rec'd In Lab: 9/23/11 | ALPHA Job #: L1145254

(27) 10/11

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group
Address: 401 Wampanoang Trail
E. Providence, RI 02915
Phone: 401-330-1251
Fax: 401-434-8158
Email: KPurdy@ESSGroup

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister
Project Location: 1 India Street
Project #: C563-001
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time: 10/20/11

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State/Fed Program RI Criteria RIDEM Method 1

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☒ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| | ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB's w/ SOM extraction | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|
| 11 | 15254 19 | SB-210 (5-6) | 9/23/11 | 1347 | S | MP+JA | X | Extract + Hold | |
| 12 | 20 | SB-210 (6-7) | ↓ | 1349 | ↓ | ↓ | X | Extract + Hold | |
| | 21 | SB-210 (7-8) | ↓ | 1351 | ↓ | ↓ | X | | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 9-23 1535 | P. Gilbert | 9/23/11 1535 |
| P. Gilbert | 9/23/11 1755 | [signature] | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

L1116682

# CHAIN OF CUSTODY

PAGE 8 OF 14

Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1115255

(3) 10/11

ALPHA TECHNICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group
Address: East Providence
Phone: 401 330 1218
Fax:
Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:
Project Location: C563
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time: 10/20/11

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/SOX

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's w/SOX | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 15255 B1 | SB-211 (7-8) | 9-23 | 1407 | S | MP | X | Extract & HOLD | |
| 16662 14 2 | SB-207 (0-1) | | 1225 | | | X | Extract & HOLD | |
| 15 3 | SB-207 (1-2) | | 1230 | | | X | Ext. & HOLD | |
| 16 4 | SB-207 (2-3) | | 1235 | | | X | Ext. & HOLD | |
| 17 5 | SB-207 (3-4) | | 1240 | | | X | Ext. & HOLD | |
| 18 6 | SB-207 (4-5) | | 1245 | | | X | Ext. & HOLD | |
| 19 7 | SB-207 (5-6) | | 1250 | | | X | Ext. & HOLD | |
| 20 8 | SB-207 (6-7) | | 1255 | | | X | Ext. & HOLD | |
| 21 9 | SB-207 (7-8) | | 1300 | | | X | Ext. & HOLD | |
| 10 | SB-209 (0-1) | | 1321 | | | | | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Container Type
Preservative

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 9-23 1535 | P. Gilbert | 9/23/11 1535 |
| P. Gilbert | 9/23/11 1755 | [signature] | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

L1116682

# CHAIN OF CUSTODY

PAGE 9 OF 14

Date Rec'd in Lab: 9/23/11

ALPHA Job #: ~~L1115255~~ 4 of 4

ALPHA TECHNICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group

Address: East Providence

Phone: 401 330 1218

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:

Project Location: C563

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time: 10/20/11

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples).

**SAMPLE HANDLING**

*Filtration*

☐ Done

☐ Not needed

☐ Lab to do

*Preservation*

☐ Lab to do

(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: PCB's w/ SOX | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 22 ~~15255~~ 11 | SB-213 (6-7) | 9-23 | 1437 | S | MP | X | Extract & HOLD | |
| 16682 12 | SB-213 (7-8) | ↓ | 1439 | ↓ | ↓ | X | Extract & HOLD | |
| 13 | SB-5213 (3-4) | ↓ | 1430 | ↓ | ↓ | X | | |
| 11 | SB-213 (6-7) MS | ↓ | 1436 | ↓ | ↓ | X | Matrix Spike | |
| 11 | SB-213 (6-7) MSD | ↓ | 1438 | ↓ | ↓ | X | MS Duplicate | |
| 14 | SB-212 (0-1) | ↓ | 1409 | ↓ | ↓ | X | | |
| 15 | SB-212 (1-2) | ↓ | 1411 | ↓ | ↓ | X | | |
| 16 | SB-212 (2-3) | ↓ | 1413 | ↓ | ↓ | X | | |
| 17 | SB-212 (3-4) | ↓ | 1415 | ↓ | ↓ | X | | |
| 18 | SB-212 (4-5) | ↓ | 1417 | ↓ | ↓ | X | | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Container Type

Preservative

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 9-23 1535 | P. Gillert | 9/23/11 1535 |
| P. Gillert | 9/23/11 1755 | [signature] | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

L1116687

# CHAIN OF CUSTODY PAGE 11 OF 14

ALPHA LABORATORIES
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
RAYNHAM, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/23/11 | ALPHA Job #: L1115256 (11) 12/14

**Client Information**
Client: ESS Group
Address: East Providence
Phone: 401 330 1218
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

**Project Information**
Project Name:
Project Location:
Project #: C563
Project Manager:
ALPHA Quote #:

**Turn-Around Time**
☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/30/11 Time: 10/20/11

**Report Information - Data Deliverables**
☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

**Billing Information**
☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**
State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS**
☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: PCB's w/Sox. Ext

**SAMPLE HANDLING**
*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's w/Sox. Ext | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 15256.7 | SB-198 (2-3) | 9-23 | 1454 | S | MP | | Extract & Hold |
| 16682 12 | SB-198 (3-4) | | 1455 | S | | | Extract & Hold |
| 13 | SB-197 (0-1) | | 1448 | | | | |
| 14 | SB-197 (1-2) | | 1449 | | | | |
| 15 | SB-197 (2-3) | | 1450 | | | | |
| 16 | SB-197 (3-4) | | 1451 | | | | Extract & Hold |
| 17 | SB-196 (0-1) | | 1444 | | | | |
| 18 | SB-196 (1-2) | | 1445 | | | | |
| 19 | SB-196 (2-3) | | 1446 | | | | |
| 23 20 | SB-196 (3-4) | V | 1447 | ↓ | ↓ | X | Extract & Hold |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Dillard | 9-23 1535 | P. Dillard | 9/23/11 1535 |
| P. Dillard | 9/23/11 1755 | | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

FORM NO: 01-01 (rev. 10-OCT-05)

L1116682

# CHAIN OF CUSTODY

PAGE 12 OF 14

Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1116257 CT 10/14

ALPHA TECHNICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

## Client Information

Client: ESS Group

Address: East Providence

Phone: 401 330 1218

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name:

Project Location:

Project #: C563

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 9/30/11 Time: 10/20/11

## Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program | Criteria

## MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: RCP's w/ SOX | SAMPLE HANDLING: Filtration ☐ Done ☐ Not needed ☐ Lab to do; Preservation ☐ Lab to do (Please specify below) | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|
| 15257 | SB-212 (5-6) | 9.23 | 1419 | S | MD | X | | | Extract & HOLD |
| 16861 | SB-212 (6-7) | | 1421 | | | X | | | Extract & HOLD |
| 2 | SB-212 (7-8) | | 1423 | | | X | | | Extract & HOLD |
| 3 | SB-211 (0-1) | | 1353 | | | X | | | |
| 4 | SB-211 (1-2) | | 1355 | | | X | | | |
| 5 | SB-211 (2-3) | | 1357 | | | X | | | |
| 6 | SB-211 (3-4) | | 1359 | | | X | | | |
| 7 | SB-211 (4-5) | | 1401 | | | X | | | |
| 8 | SB-211 (5-6) | | 1403 | | | X | | | |
| 9 | SB-211 (6-7) | | 1405 | | | X | | | Extract & HOLD |
| 24 | | | | | | | | | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

FORM NO: 01-01 (rev. 18-Jan-2010)

Container Type

Preservative

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 9.23 1535 | P. Gilbert | 9/23/11 1535 |
| | 9/23/11 1755 | | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

L1116682

# CHAIN OF CUSTODY

PAGE 13 OF 14

Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1115257 (CT 10/11/11)


ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288


**Client Information**

Client: ESS Group
Address: East Providence
Phone: 401 330-1218
Fax:
Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:
Project Location:
Project #: C563
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: ~~9/30/11~~ Time: 10/20/11

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's w/ SOX

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 11257 01 | SB-209 (1-2) | 9-23 | 1323 | S | MP | X | |
| 16682 02 | SB-209 (2-3) | | 1325 | | | X | |
| 03 | SB-209 (3-4) | | 1327 | | | X | |
| 04 | SB-209 (4-5) | | 1329 | | | X | |
| 05 | SB-209 (5-6) | | 1331 | | | X | |
| 06 | SB-209 (6-7) | | 1333 | | | X | Extract # HOLD |
| 07 | SB-209 (7-8) | | 1335 | | | X | Extract # HOLD |
| 15 08 | SB-5209 (1-2) | | 1324 | | | X | |
| 16 09 | SB-209 (6-7) MS | | 1332 | | | X | |
| 10 | SB-209 (6-7) MSD | | 1334 | | | X | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Container Type
Preservative

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Dillon | 9.23 1535 | P. Dillon | 9/23/11 1535 |
| | 9/23/11 1755 | | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

L1116682

# CHAIN OF CUSTODY

PAGE 14 OF 14

Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1115257

17 10/14

ALPHA LABORATORIES

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group

Address: East Providence

Phone: 401 330 1218

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name:

Project Location:

Project #: C563

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time: 10/20/11

**Report Information - Data Deliverables**

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program | Criteria

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's 4/50X Ext.

**SAMPLE HANDLING**

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB's 4/50X Ext. | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 16257-19 | SB-195(0-1) | 9-23 | 1440 | S | MP | X | Extract & Hold | |
| 16682-20 | SB-195(1-2) | | 1441 | | | X | Extract & Hold | |
| 21 | SB-195(2-3) | | 1442 | | | X | Extract & Hold | |
| 22 | SB-195(3-4) | | 1443 | | | X | Extract & Hold | |
| 23 | SB-213(0-1) | | 1425 | | | X | | |
| 24 | SB-213(1-2) | | 1427 | | | X | | |
| 25 | SB-213(2-3) | | 1429 | | | X | | |
| 26 | SB-213(3-4) | | 1431 | | | X | | |
| 27 | SB-213(4-5) | | 1433 | | | X | | |
| 27-28 | SB-213(5-6) | ↓ | 1435 | V | | X | Extract & Hold | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Container Type

Preservative

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P Gilbert | 9-23 1535 | P Gilbert | 9/23/11 1535 |
| P Gilbert | 9/23/11 1755 | | 9/23/11 1757 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1117320 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C563-001 |
| Report Date: | 10/27/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1117320
**Report Date:** 10/27/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1117320-01 | SB-213 (7-8) | 1 INDIA STREET | 09/23/11 14:39 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1117320
**Report Date:** 10/27/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: James C. Todaro

Title: Technical Director/Representative Date: 10/27/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C563-001
**Lab Number:** L1117320
**Report Date:** 10/27/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1117320-01 | Date Collected: | 09/23/11 14:39 |
| Client ID: | SB-213 (7-8) | Date Received: | 09/23/11 |
| Sample Location: | 1 INDIA STREET | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 09/27/11 19:50 |
| Analytical Date: | 10/23/11 13:09 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 09/29/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 09/29/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 76 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1117320
**Report Date:** 10/27/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 10/17/11 13:22
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 09/27/11 19:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/29/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/29/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01 Batch: WG496170-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.1 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 128 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 141 | | 30-150 |
| Decachlorobiphenyl | 114 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1117320
**Report Date:** 10/27/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01 Batch: WG496170-2 WG496170-3 | | | | | | | | |
| Aroclor 1016 | 94 | | 86 | | 40-140 | 9 | | 50 |
| Aroclor 1260 | 65 | | 74 | | 40-140 | 13 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 91 | | 30-150 |
| Decachlorobiphenyl | 55 | | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 99 | | 30-150 |
| Decachlorobiphenyl | 70 | | 76 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1117320
**Report Date:** 10/27/11

## SAMPLE RESULTS

Lab ID: L1117320-01
Client ID: SB-213 (7-8)
Sample Location: 1 INDIA STREET
Matrix: Soil

Date Collected: 09/23/11 14:39
Date Received: 09/23/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 10/24/11 15:51 | 30,2540G | MD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1117320
**Report Date:** 10/27/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG497773-1 QC Sample: L1117320-01 Client ID: SB-213 (7-8) | | | | | | |
| Solids, Total | 94 | 94 | % | 0 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001

**Lab Number:** L1117320
**Report Date:** 10/27/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1117320-01A | Amber 120ml unpreserved | A | N/A | 2 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1117320 |
| **Project Number:** | C563-001 | **Report Date:** | 10/27/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **NJ** | - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1117320 |
| **Project Number:** | C563-001 | **Report Date:** | 10/27/11 |

***Data Qualifiers***

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1117320 |
| **Project Number:** | C563-001 | **Report Date:** | 10/27/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised September 19, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

L1117320

# CHAIN OF CUSTODY

PAGE 9 OF 14

Date Rec'd in Lab: 9/23/11

ALPHA Job #: L1105255 (1 of 2)

ALPHA TECHNICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

## Client Information

Client: ESS Group

Address: East Providence

Phone: 401 330 1218

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name:

Project Location: C563

Project #:

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/30/11 Time: 10/28/11

## Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

## Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: RCP's w/SOX

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | Sample Specific Comments |
|---|---|---|---|---|---|---|
| 15255-11 | SB-213 (6-7) | 9-23 | 1437 | S | MP | Extract & HOLD |
| 7320-12 | SB-213 (7-8) | | 1439 | | | Extract & HOLD |
| 13 | SB-5213 (3-4) | | 1430 | | | |
| 14 | SB-213 (6-7) MS | | 1436 | | | Matrix Spike |
| 15 | SB-213 (6-7) MSD | | 1438 | | | MS Duplicate |
| 16 | SB-212 (0-1) | | 1409 | | | |
| 17 | SB-212 (1-2) | | 1411 | | | |
| 18 | SB-212 (2-3) | | 1413 | | | |
| 19 | SB-212 (3-4) | | 1415 | | | |
| 20 | SB-212 (4-5) | ↓ | 1417 | | | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

FORM NO: 01-01 (rev. 18-Jan-2010)

Container Type

Preservative

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gillett | 9-23 1535 | P. Gillett | 9/23/11 1535 |
| P. Gillett | 9/23/11 1755 | | 9/23/11 1755 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1120092 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C563-001.02 |
| Report Date: | 12/09/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1120092-01 | SB-215 (0-1) | PROVIDENCE, RI | 12/02/11 09:20 |
| L1120092-02 | SB-215 (1-2) | PROVIDENCE, RI | 12/02/11 09:22 |
| L1120092-03 | SB-215 (2-3) | PROVIDENCE, RI | 12/02/11 09:24 |
| L1120092-04 | SB-215 (3-4) | PROVIDENCE, RI | 12/02/11 09:26 |
| L1120092-05 | SB-215 (4-5) | PROVIDENCE, RI | 12/02/11 09:28 |
| L1120092-06 | SB-215 (5-6) | PROVIDENCE, RI | 12/02/11 09:30 |
| L1120092-07 | SB-215 (6-7) | PROVIDENCE, RI | 12/02/11 09:32 |
| L1120092-08 | SB-215 (7-8) | PROVIDENCE, RI | 12/02/11 09:34 |
| L1120092-09 | SB-216 (0-1) | PROVIDENCE, RI | 12/02/11 09:38 |
| L1120092-10 | SB-216 (1-2) | PROVIDENCE, RI | 12/02/11 09:40 |
| L1120092-11 | SB-216 (2-3) | PROVIDENCE, RI | 12/02/11 09:42 |
| L1120092-12 | SB-216 (3-4) | PROVIDENCE, RI | 12/02/11 09:44 |
| L1120092-13 | SB-216 (4-5) | PROVIDENCE, RI | 12/02/11 09:46 |
| L1120092-14 | SB-216 (5-6) | PROVIDENCE, RI | 12/02/11 09:48 |
| L1120092-15 | SB-216 (6-7) | PROVIDENCE, RI | 12/02/11 09:50 |
| L1120092-16 | SB-216 (7-8) | PROVIDENCE, RI | 12/02/11 09:52 |
| L1120092-17 | SB-217 (0-1) | PROVIDENCE, RI | 12/02/11 09:58 |
| L1120092-18 | SB-217 (1-2) | PROVIDENCE, RI | 12/02/11 10:00 |
| L1120092-19 | SB-217 (2-3) | PROVIDENCE, RI | 12/02/11 10:02 |
| L1120092-20 | SB-217 (3-4) | PROVIDENCE, RI | 12/02/11 10:04 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCBs

L1120092-02 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons Elizabeth Simmons

Title: Technical Director/Representative Date: 12/09/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120092-01 | Date Collected: | 12/02/11 09:20 |
| Client ID: | SB-215 (0-1) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:54 |
| Analytical Date: | 12/05/11 17:35 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 66 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120092-01 | Date Collected: | 12/02/11 09:20 |
| Client ID: | SB-215 (0-1) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:54 |
| Analytical Date: | 12/05/11 17:35 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 67.8 | | ug/kg | 35.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 66 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120092

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120092-02 | D | Date Collected: | 12/02/11 09:22 |
| Client ID: | SB-215 (1-2) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 00:54 |
| Analytical Date: | 12/07/11 16:44 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 181 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 181 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 181 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 181 | -- | 5 |
| Aroclor 1254 | 418 | | ug/kg | 181 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 181 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 181 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 181 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 79 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120092

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120092-02 | D | Date Collected: | 12/02/11 09:22 |
| Client ID: | SB-215 (1-2) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 00:54 |
| Analytical Date: | 12/07/11 16:44 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 87% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 443 | | ug/kg | 181 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 79 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120092-03 | Date Collected: | 12/02/11 09:24 |
| Client ID: | SB-215 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:54 |
| Analytical Date: | 12/05/11 17:59 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 74 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120092-04 | Date Collected: | 12/02/11 09:26 |
| Client ID: | SB-215 (3-4) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:54 |
| Analytical Date: | 12/05/11 18:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 39.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 39.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 85 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120092-05 | Date Collected: | 12/02/11 09:28 |
| Client ID: | SB-215 (4-5) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:54 |
| Analytical Date: | 12/05/11 18:24 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 74% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 43.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 43.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 43.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 43.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 43.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 43.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 43.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 43.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 43.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 66 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120092-06 | Date Collected: | 12/02/11 09:30 |
| Client ID: | SB-215 (5-6) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:54 |
| Analytical Date: | 12/05/11 18:36 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 75% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 43.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 43.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 43.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 43.6 | -- | 1 |
| Aroclor 1254 | 165 | | ug/kg | 43.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 43.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 43.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 43.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 68 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120092-06 | Date Collected: | 12/02/11 09:30 |
| Client ID: | SB-215 (5-6) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:54 |
| Analytical Date: | 12/05/11 18:36 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 75% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 123 | | ug/kg | 43.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 68 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120092-09 | Date Collected: | 12/02/11 09:38 |
| Client ID: | SB-216 (0-1) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:54 |
| Analytical Date: | 12/05/11 18:48 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1248 | 245 | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1254 | 267 | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 |
| Decachlorobiphenyl | 68 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120092-10 | Date Collected: | 12/02/11 09:40 |
| Client ID: | SB-216 (1-2) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:54 |
| Analytical Date: | 12/05/11 19:01 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1248 | 62.1 | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1254 | 76.2 | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120092-11 | Date Collected: | 12/02/11 09:42 |
| Client ID: | SB-216 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:54 |
| Analytical Date: | 12/05/11 19:13 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 74 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120092-12 | Date Collected: | 12/02/11 09:44 |
| Client ID: | SB-216 (3-4) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:54 |
| Analytical Date: | 12/05/11 19:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 55 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 41 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120092-13 | Date Collected: | 12/02/11 09:46 |
| Client ID: | SB-216 (4-5) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:54 |
| Analytical Date: | 12/05/11 19:38 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120092-14 | Date Collected: | 12/02/11 09:48 |
| Client ID: | SB-216 (5-6) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:54 |
| Analytical Date: | 12/05/11 19:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 68 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120092-17 | Date Collected: | 12/02/11 09:58 |
| Client ID: | SB-217 (0-1) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:57 |
| Analytical Date: | 12/05/11 20:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120092-18 | Date Collected: | 12/02/11 10:00 |
| Client ID: | SB-217 (1-2) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:57 |
| Analytical Date: | 12/05/11 20:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1248 | 51.1 | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 64 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120092-18 | Date Collected: | 12/02/11 10:00 |
| Client ID: | SB-217 (1-2) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:57 |
| Analytical Date: | 12/05/11 20:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 49.5 | | ug/kg | 34.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 64 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120092-19 | Date Collected: | 12/02/11 10:02 |
| Client ID: | SB-217 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:57 |
| Analytical Date: | 12/05/11 20:27 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 |
| Decachlorobiphenyl | 59 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120092-20 | Date Collected: | 12/02/11 10:04 |
| Client ID: | SB-217 (3-4) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:57 |
| Analytical Date: | 12/05/11 20:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 74 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/05/11 21:04
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 12/03/11 00:54
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/05/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/05/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-06,09-14,17-20 Batch: WG505921-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.6 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 76 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-06,09-14,17-20 Batch: WG505921-2 WG505921-3 | | | | | | | | |
| Aroclor 1016 | 76 | | 74 | | 40-140 | 3 | | 50 |
| Aroclor 1260 | 71 | | 69 | | 40-140 | 3 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 67 | | 30-150 |
| Decachlorobiphenyl | 67 | | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 68 | | 30-150 |
| Decachlorobiphenyl | 70 | | 64 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120092-01
Client ID: SB-215 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 09:20
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120092-02
Client ID: SB-215 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 09:22
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120092-03
Client ID: SB-215 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 09:24
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120092-04
Client ID: SB-215 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 09:26
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120092-05
Client ID: SB-215 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 09:28
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 74 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120092-06
Client ID: SB-215 (5-6)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 09:30
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 75 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120092-09
Client ID: SB-216 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 09:38
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120092-10
Client ID: SB-216 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 09:40
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120092-11
Client ID: SB-216 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 09:42
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120092-12
Client ID: SB-216 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 09:44
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120092-13
Client ID: SB-216 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 09:46
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120092-14
Client ID: SB-216 (5-6)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 09:48
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120092-17
Client ID: SB-217 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 09:58
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120092-18
Client ID: SB-217 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:00
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120092-19
Client ID: SB-217 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:02
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120092-20
Client ID: SB-217 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:04
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-06,09-14,17-20 QC Batch ID: WG506213-1 QC Sample: L1120092-01 Client ID: SB-215 (0-1) | | | | | | |
| Solids, Total | 91 | 92 | % | 1 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120092
**Report Date:** 12/09/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1120092-01A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120092-02A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120092-03A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120092-04A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120092-05A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120092-06A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120092-07A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120092-08A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120092-09A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120092-10A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120092-11A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120092-12A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120092-13A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120092-14A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120092-15A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120092-16A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120092-17A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120092-18A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120092-19A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120092-20A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120092 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **NJ** | - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120092 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

***Data Qualifiers***

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120092 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised November 17, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.


*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 1 OF 15

Date Rec'd in Lab: 12/2/11

ALPHA Job #: 21120092

ALPHA ANALYTICAL

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

## Client Information

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com

☐ These samples have been Previously analyzed by Alpha

## Project Information

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 12/9/11 Time:

## Report Information

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Data Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

*State/Fed Program* RIDEM & EPA *Criteria* RIDEM METHOD 1

## MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs with SOX Extraction | | | | | | | | | | | | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20092. 1 | SB-215 (0-1) | 12-2-11 | 920 | Soil | JDA | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| 2 | SB-215 (1-2) | 12-2-11 | 922 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| 3 | SB-215 (2-3) | 12-2-11 | 924 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| 4 | SB-215 (3-4) | 12-2-11 | 926 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| 5 | SB-215 (4-5) | 12-2-11 | 928 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| 6 | SB-215 (5-6) | 12-2-11 | 930 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| 7 | SB-215 (6-7) | 12-2-11 | 932 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | Extract & HOLD |
| 8 | SB-215 (7-8) | 12-2-11 | 934 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | Extract & HOLD |
| 9 | SB-216 (0-1) | 12-2-11 | 938 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| 10 | SB-216 (1-2) | 12-2-11 | 940 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| | | | | | Container Type | G | - | - | - | - | - | - | - | - | - | - | - | |
| | | | | | Preservative | - | - | - | - | - | - | - | - | - | - | - | - | |

PLEASE ANSWER QUESTIONS ABOVE!

**IS YOUR PROJECT MA MCP or CT RCP?**

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 12-2-11 1500 | P. Gilbert | 12/2/11 1500 |
| P. Gilbert | 12/2/11 1545 | [signature] | 12/2/11 1614 |
| [signature] | 12/2/11 1740 | [signature] | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I)
(rev. 20-JAN-2010)

# CHAIN OF CUSTODY

PAGE 2 OF 15

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/2/11

ALPHA Job #: L1120092

## Client Information

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com
☐ These samples have been Previously analyzed by Alpha

## Project Information

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: 12/9/11 Time:

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

## Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State/Fed Program: RIDEM & EPA
Criteria: RIDEM METHOD 1

## MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

## ANALYSIS

PCBs with SOX Extraction

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs with SOX Extraction | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 20092-11 | SB-216 (2-3) | 12-2-11 | 942 | Soil | SDA | ☒ | |
| 12 | SB-216 (3-4) | 12-2-11 | 944 | Soil | | ☒ | |
| 13 | SB-216 (4-5) | 12-2-11 | 946 | Soil | | ☒ | |
| 14 | SB-216 (5-6) | 12-2-11 | 948 | Soil | | ☒ | |
| 15 | SB-216 (6-7) | 12-2-11 | 950 | Soil | | ☒ | |
| 16 | SB-216 (7-8) | 12-2-11 | 952 | Soil | | ☒ | Extract & Hold |
| 17 | SB-217 (0-1) | 12-2-11 | 958 | Soil | | ☒ | Extract & Hold |
| 18 | ~~SB-216 (1-2)~~ SB-217 (1-2) | 12-2-11 | 1000 | Soil | | ☒ | |
| 19 | ~~SB-216 (2-3)~~ SB-217 (2-3) | 12-2-11 | 1002 | Soil | | ☒ | |
| 20 | ~~SB-216 (3-4)~~ SB-217 (3-4) | 12-2-11 | 1004 | Soil | | ☒ | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | G | - | - | - | - | - | - | - | - | - | - | - |
| Preservative | - | - | - | - | - | - | - | - | - | - | - | - |

PLEASE ANSWER QUESTIONS ABOVE!

**IS YOUR PROJECT MA MCP or CT RCP?**

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 12-2-11 1500 | P. Gilbert | 12/2/11 1500 |
| P. Gilbert | 12/2/11 1545 | | 12/2/11 1716 |
| | 12/2/11 1740 | | 12/9/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I) (rev. 20-JAN-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1120095 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C563-001.02 |
| Report Date: | 12/09/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1120095-01 | SB-217 (4-5) | PROVIDENCE, RI | 12/02/11 10:06 |
| L1120095-02 | SB-217 (5-6) | PROVIDENCE, RI | 12/02/11 10:08 |
| L1120095-03 | SB-217 (6-7) | PROVIDENCE, RI | 12/02/11 10:10 |
| L1120095-04 | SB-217 (7-8) | PROVIDENCE, RI | 12/02/11 10:12 |
| L1120095-05 | SB-218 (0-1) | PROVIDENCE, RI | 12/02/11 10:16 |
| L1120095-06 | SB-218 (1-2) | PROVIDENCE, RI | 12/02/11 10:18 |
| L1120095-07 | SB-218 (2-3) | PROVIDENCE, RI | 12/02/11 10:20 |
| L1120095-08 | SB-218 (3-4) | PROVIDENCE, RI | 12/02/11 10:22 |
| L1120095-09 | SB-218 (4-5) | PROVIDENCE, RI | 12/02/11 10:24 |
| L1120095-10 | SB-218 (5-6) | PROVIDENCE, RI | 12/02/11 10:26 |
| L1120095-11 | SB-218 (6-7) | PROVIDENCE, RI | 12/02/11 10:28 |
| L1120095-12 | SB-218 (7-8) | PROVIDENCE, RI | 12/02/11 10:30 |
| L1120095-13 | SB-219 (0-1) | PROVIDENCE, RI | 12/02/11 10:34 |
| L1120095-14 | SB-219 (1-2) | PROVIDENCE, RI | 12/02/11 10:36 |
| L1120095-15 | SB-219 (2-3) | PROVIDENCE, RI | 12/02/11 10:38 |
| L1120095-16 | SB-219 (3-4) | PROVIDENCE, RI | 12/02/11 10:40 |
| L1120095-17 | SB-219 (4-5) | PROVIDENCE, RI | 12/02/11 10:42 |
| L1120095-18 | SB-219 (5-6) | PROVIDENCE, RI | 12/02/11 10:44 |
| L1120095-19 | SB-219 (6-7) | PROVIDENCE, RI | 12/02/11 10:46 |
| L1120095-20 | SB-219 (7-8) | PROVIDENCE, RI | 12/02/11 10:48 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L1120095-05 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L1120095-14: The internal standard (IS) response for 1-Bromo-2-nitrobenzene was above the acceptance criteria on the confirmation column; however, the sample was not re-analyzed due to obvious interferences. A copy of the chromatogram is included as an attachment to this report. Since the IS response was above method criteria, all associated compounds are considered to have a potentially low bias.

The surrogate recoveries for the WG505937-1 Method Blank are below the acceptance criteria for Decachlorobiphenyl (28%/28%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 12/09/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120095-01 | Date Collected: | 12/02/11 10:06 |
| Client ID: | SB-217 (4-5) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:57 |
| Analytical Date: | 12/05/11 20:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 82% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 76 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120095-02 | Date Collected: | 12/02/11 10:08 |
| Client ID: | SB-217 (5-6) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:57 |
| Analytical Date: | 12/05/11 21:53 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 68 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120095

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120095-05 | D | Date Collected: | 12/02/11 10:16 |
| Client ID: | SB-218 (0-1) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 00:57 |
| Analytical Date: | 12/07/11 16:30 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 171 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 171 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 171 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 171 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 171 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 171 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 171 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120095-05 | D | Date Collected: | 12/02/11 10:16 |
| Client ID: | SB-218 (0-1) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 00:57 |
| Analytical Date: | 12/07/11 16:30 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 92% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 431 | | ug/kg | 171 | -- | 5 |
| Aroclor 1254 | 350 | | ug/kg | 171 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120095-06 | Date Collected: | 12/02/11 10:18 |
| Client ID: | SB-218 (1-2) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 00:57 |
| Analytical Date: | 12/05/11 22:18 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 64 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 |
| Decachlorobiphenyl | 66 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120095-07 | Date Collected: | 12/02/11 10:20 |
| Client ID: | SB-218 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:37 |
| Analytical Date: | 12/06/11 01:29 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 72 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120095-08 | Date Collected: | 12/02/11 10:22 |
| Client ID: | SB-218 (3-4) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:37 |
| Analytical Date: | 12/06/11 01:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120095-09 | Date Collected: | 12/02/11 10:24 |
| Client ID: | SB-218 (4-5) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:37 |
| Analytical Date: | 12/06/11 01:53 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120095-10 | Date Collected: | 12/02/11 10:26 |
| Client ID: | SB-218 (5-6) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:37 |
| Analytical Date: | 12/06/11 02:06 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 70% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 45.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 45.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 45.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 45.7 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 45.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 45.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 45.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 45.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 45.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120095-13 | Date Collected: | 12/02/11 10:34 |
| Client ID: | SB-219 (0-1) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/07/11 15:30 |
| Analytical Date: | 12/08/11 13:17 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/08/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1248 | 54.6 | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1254 | 80.1 | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 |
| Decachlorobiphenyl | 63 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 60 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120095-14 | Date Collected: | 12/02/11 10:36 |
| Client ID: | SB-219 (1-2) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:37 |
| Analytical Date: | 12/06/11 02:30 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 30-150 |
| Decachlorobiphenyl | 45 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120095-15 | Date Collected: | 12/02/11 10:38 |
| Client ID: | SB-219 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:37 |
| Analytical Date: | 12/06/11 02:43 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 68 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 66 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120095-16 | Date Collected: | 12/02/11 10:40 |
| Client ID: | SB-219 (3-4) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:37 |
| Analytical Date: | 12/06/11 02:55 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 37.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 76 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120095-17 | Date Collected: | 12/02/11 10:42 |
| Client ID: | SB-219 (4-5) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/08/11 17:21 |
| Analytical Date: | 12/09/11 12:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | GT | Cleanup Date1: | 12/09/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/09/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 63 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 |
| Decachlorobiphenyl | 85 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120095-18 | Date Collected: | 12/02/11 10:44 |
| Client ID: | SB-219 (5-6) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:37 |
| Analytical Date: | 12/06/11 03:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 33.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 33.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/05/11 21:04
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 12/03/11 00:54
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/05/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/05/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-02,05-06 Batch: WG505921-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.6 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.6 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 76 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/06/11 00:40
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 12/03/11 06:37
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/05/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/05/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 07-10,14-16,18 Batch: WG505937-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.8 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 35 | | 30-150 |
| Decachlorobiphenyl | **28** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 36 | | 30-150 |
| Decachlorobiphenyl | **28** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/08/11 14:43
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 12/07/11 15:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/08/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/08/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 13 Batch: WG506645-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.1 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 30-150 |
| Decachlorobiphenyl | 50 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 50 | | 30-150 |
| Decachlorobiphenyl | 49 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/09/11 13:10
Analyst: GT

Extraction Method: EPA 3540C
Extraction Date: 12/08/11 17:21
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/09/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/09/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 17 Batch: WG506939-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.9 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 76 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 79 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-02,05-06 Batch: WG505921-2 WG505921-3 | | | | | | | | |
| Aroclor 1016 | 76 | | 74 | | 40-140 | 3 | | 50 |
| Aroclor 1260 | 71 | | 69 | | 40-140 | 3 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 67 | | 30-150 |
| Decachlorobiphenyl | 67 | | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 68 | | 30-150 |
| Decachlorobiphenyl | 70 | | 64 | | 30-150 |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 07-10,14-16,18 Batch: WG505937-2 WG505937-3 | | | | | | | | |
| Aroclor 1016 | 77 | | 67 | | 40-140 | 14 | | 50 |
| Aroclor 1260 | 70 | | 59 | | 40-140 | 17 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 65 | | 30-150 |
| Decachlorobiphenyl | 66 | | 56 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 66 | | 30-150 |
| Decachlorobiphenyl | 67 | | 58 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 13 Batch: WG506645-2 WG506645-3 | | | | | | | | |
| Aroclor 1016 | 45 | | 64 | | 40-140 | 35 | | 50 |
| Aroclor 1260 | 41 | | 60 | | 40-140 | 38 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 43 | | 56 | | 30-150 |
| Decachlorobiphenyl | 38 | | 54 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 42 | | 55 | | 30-150 |
| Decachlorobiphenyl | 38 | | 53 | | 30-150 |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 17 Batch: WG506939-2 WG506939-3 | | | | | | | | |
| Aroclor 1016 | 82 | | 83 | | 40-140 | 1 | | 50 |
| Aroclor 1260 | 78 | | 80 | | 40-140 | 3 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 75 | | 30-150 |
| Decachlorobiphenyl | 74 | | 68 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 74 | | 30-150 |
| Decachlorobiphenyl | 74 | | 68 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120095-01
Client ID: SB-217 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:06
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120095-02
Client ID: SB-217 (5-6)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:08
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120095-05
Client ID: SB-218 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:16
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120095-06
Client ID: SB-218 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:18
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 12/05/11 21:10 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120095-07
Client ID: SB-218 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:20
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120095-08
Client ID: SB-218 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:22
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120095-09
Client ID: SB-218 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:24
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120095-10
Client ID: SB-218 (5-6)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:26
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 70 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120095-13
Client ID: SB-219 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:34
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120095-14
Client ID: SB-219 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:36
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120095-15
Client ID: SB-219 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:38
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120095-16
Client ID: SB-219 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:40
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120095-17
Client ID: SB-219 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:42
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120095-18
Client ID: SB-219 (5-6)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:44
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-02,05-06 QC Batch ID: WG506213-1 QC Sample: L1120092-01 Client ID: DUP Sample | | | | | | |
| Solids, Total | 91 | 92 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 07-10,13-18 QC Batch ID: WG506218-1 QC Sample: L1120095-07 Client ID: SB-218 (2-3) | | | | | | |
| Solids, Total | 92 | 92 | % | 0 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120095
**Report Date:** 12/09/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1120095-01A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120095-02A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120095-03A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120095-04A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120095-05A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120095-06A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120095-07A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120095-08A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120095-09A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120095-10A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120095-11A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120095-12A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120095-13A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120095-14A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120095-15A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120095-16A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120095-17A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120095-18A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120095-19A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120095-20A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120095 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **NJ** | - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120095 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

***Data Qualifiers***

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120095 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised December 9, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.


*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 802A, 8151A, 8260B, 8270C, 8270D, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 3060A, 6010B, 6010C, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 3 OF 15

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/2/11
ALPHA Job #: L1120095

**Project Information**

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

**Client Information**

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com

☐ These samples have been Previously analyzed by Alpha

**Turn-Around Time**

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 12/9/11 Time:

**Report Information**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Data Deliverables**

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

*State/Fed Program* RIDEM & EPA *Criteria* RIDEM METHOD 1

**MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS**

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

**ANALYSIS**

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs with SOX Extraction | | | | | | | | | | | | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20095. 1 | SB-217 (4-5) | 12-2-11 | 1006 | Soil | JDA | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | | |
| 2 | SB-217 (5-6) | 12-2-11 | 1008 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | | |
| 3 | SB-217 (6-7) | 12-2-11 | 1010 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | Extract & HOLD | |
| 4 | SB-217 (7-8) | 12-2-11 | 1012 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | Extract & HOLD | |
| 5 | SB-218 (0-1) | 12-2-11 | 1016 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | | |
| 6 | SB-218 (1-2) | 12-2-11 | 1018 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | | |
| 7 | SB-218 (2-3) | 12-2-11 | 1020 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | | |
| 8 | SB-218 (3-4) | 12-2-11 | 1022 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | | |
| 9 | SB-218 (4-5) | 12-2-11 | 1024 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | | |
| 10 | SB-218 (5-6) | 12-2-11 | 1026 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | | |
| | | | | | Container Type | G | - | - | - | - | - | - | - | - | - | - | - | | |
| | | | | | Preservative | - | - | - | - | - | - | - | - | - | - | - | - | | |

PLEASE ANSWER QUESTIONS ABOVE!

**IS YOUR PROJECT MA MCP *or* CT RCP?**

FORM NO: 01-01(I) (rev. 20-JAN-2010)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 12-2-11 1500 | P. Gilbert | 12/2/11 1500 |
| P. Gilbert | 12/2/11 1545 | [signature] | 12/2/11 1616 |
| [signature] | 12/2/11 1740 | [signature] | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

# CHAIN OF CUSTODY

PAGE 4 OF 15

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/2/11

ALPHA Job #: L1120095

## Client Information

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com

☐ These samples have been Previously analyzed by Alpha

## Project Information

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 12/9/11 Time:

## Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

*State/Fed Program* RIDEM & EPA *Criteria* RIDEM METHOD 1

## MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

## ANALYSIS

SAMPLE HANDLING
*Filtration*
☐ Done ☐ Not Needed ☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs with SOX Extraction | | | | | | | | | | | | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20095-11 | SB-218 (6-7) | 12-2-11 | 1028 | Soil | JDA | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | Extract & Hold |
| 12 | SB-218 (7-8) | 12-2-11 | 1030 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | Extract & Hold |
| 13 | SB-219 (0-1) | 12-2-11 | 1034 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| 14 | SB-219 (1-2) | 12-2-11 | 1036 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| 15 | SB-219 (2-3) | 12-2-11 | 1038 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| 16 | SB-219 (3-4) | 12-2-11 | 1040 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| 17 | SB-219 (4-5) | 12-2-11 | 1042 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| 18 | SB-219 (5-6) | 12-2-11 | 1044 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| 19 | SB-219 (6-7) | 12-2-11 | 1046 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | Extract & Hold |
| 20 | SB-219 (7-8) | 12-2-11 | 1048 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | Extract & Hold |
| | | | | | | Container Type | G | - | - | - | - | - | - | - | - | - | - | - | |
| | | | | | | Preservative | - | - | - | - | - | - | - | - | - | - | - | - | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gillett | 12-2-11 1500 | P. Gillett | 12/2/11 1500 |
| MCM | 12/2/11 1545 | MCM | 12/2/11 1615 |
| MCM | 12/2/11 1740 | | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I) (rev. 20-JAN-2010)

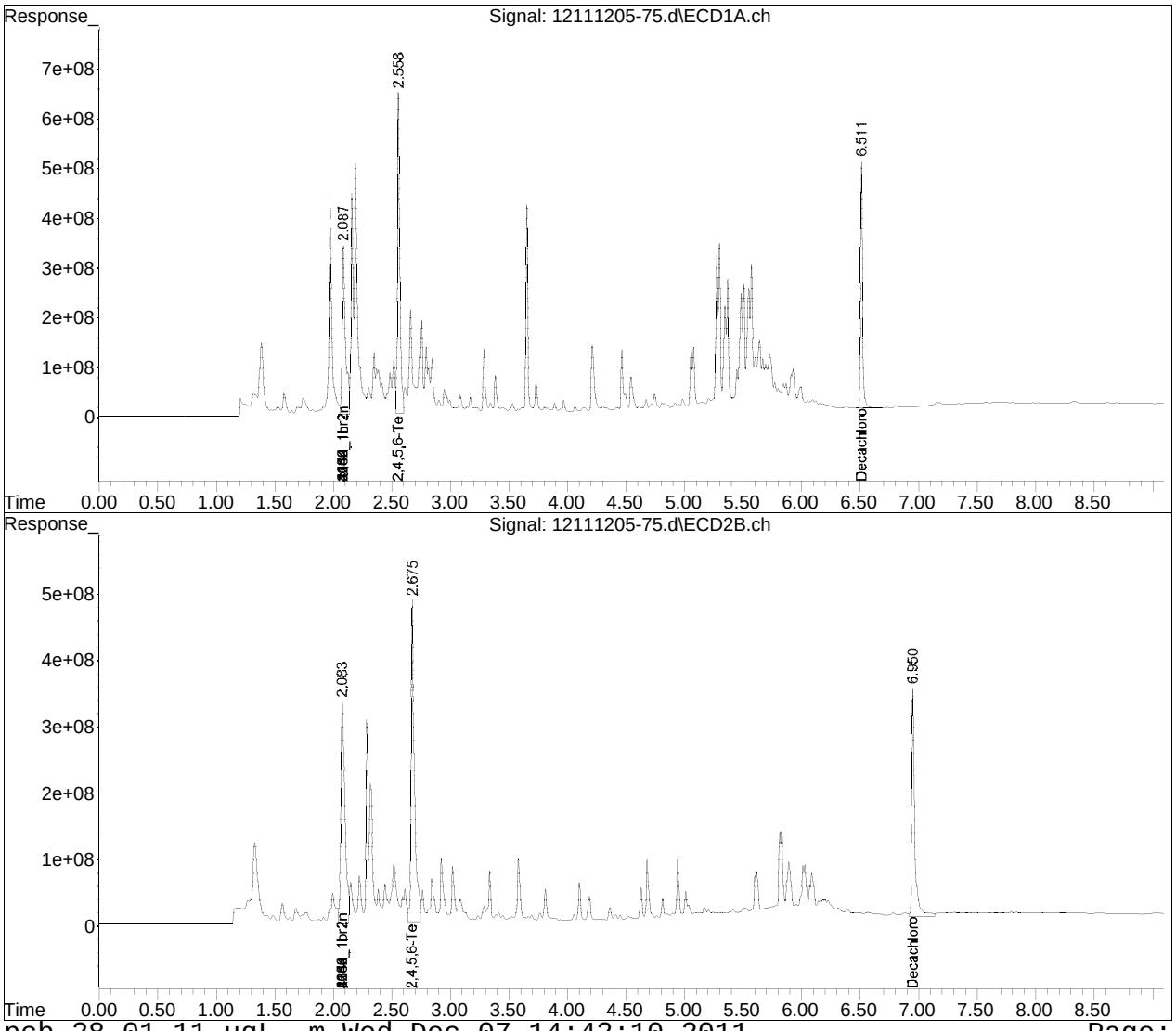
Quantitation Report (QT Reviewed)

Data Path : I:\Pest12\111205\
Data File : 12111205-75.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Dec 2011 2:30 am
Operator : pest12:kb
Sample : l1120095-14,42e,,
Misc : wg506238,wg505937,ical5910
ALS Vial : 71 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 07 13:55:45 2011
Quant Method : I:\Pest12\Methods Pest12\P12_pcb 28-01-11_ugL_.m
Quant Title : pcb
QLast Update : Mon Nov 21 13:12:52 2011
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed



# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1120098 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C563-001.02 |
| Report Date: | 12/09/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1120098-01 | SB-220 (0-1) | PROVIDENCE, RI | 12/02/11 10:52 |
| L1120098-02 | SB-220 (1-2) | PROVIDENCE, RI | 12/02/11 10:54 |
| L1120098-03 | SB-220 (2-3) | PROVIDENCE, RI | 12/02/11 10:56 |
| L1120098-04 | SB-220 (3-4) | PROVIDENCE, RI | 12/02/11 10:58 |
| L1120098-05 | SB-220 (4-5) | PROVIDENCE, RI | 12/02/11 11:00 |
| L1120098-06 | SB-220 (5-6) | PROVIDENCE, RI | 12/02/11 11:02 |
| L1120098-07 | SB-220 (6-7) | PROVIDENCE, RI | 12/02/11 11:04 |
| L1120098-08 | SB-220 (7-8) | PROVIDENCE, RI | 12/02/11 11:06 |
| L1120098-09 | SB-221 (0-1) | PROVIDENCE, RI | 12/02/11 11:10 |
| L1120098-10 | SB-221 (1-2) | PROVIDENCE, RI | 12/02/11 11:12 |
| L1120098-11 | SB-221 (2-3) | PROVIDENCE, RI | 12/02/11 11:14 |
| L1120098-12 | SB-221 (3-4) | PROVIDENCE, RI | 12/02/11 11:16 |
| L1120098-13 | SB-221 (4-5) | PROVIDENCE, RI | 12/02/11 11:18 |
| L1120098-14 | SB-221 (5-6) | PROVIDENCE, RI | 12/02/11 11:20 |
| L1120098-15 | SB-221 (6-7) | PROVIDENCE, RI | 12/02/11 11:22 |
| L1120098-16 | SB-221 (7-8) | PROVIDENCE, RI | 12/02/11 11:24 |
| L1120098-17 | SB-222 (0-1) | PROVIDENCE, RI | 12/02/11 11:26 |
| L1120098-18 | SB-222 (1-2) | PROVIDENCE, RI | 12/02/11 11:28 |
| L1120098-19 | SB-222 (2-3) | PROVIDENCE, RI | 12/02/11 11:30 |
| L1120098-20 | SB-222 (3-4) | PROVIDENCE, RI | 12/02/11 11:32 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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PCB

L1120098-09, -10, -17, -18 and -19 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L1120098-09, -17 and -18 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

The surrogate recoveries for the WG505937-1 Method Blank, associated with L11200098-03, -04, -06, -11 and -12 are below the acceptance criteria for Decachlorobiphenyl (28%/28%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons Elizabeth Simmons

Title: Technical Director/Representative Date: 12/09/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120098-01 | Date Collected: | 12/02/11 10:52 |
| Client ID: | SB-220 (0-1) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/07/11 15:30 |
| Analytical Date: | 12/08/11 13:42 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/08/11 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1248 | 198 | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 |
| Decachlorobiphenyl | 48 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 |
| Decachlorobiphenyl | 51 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120098-01 | Date Collected: | 12/02/11 10:52 |
| Client ID: | SB-220 (0-1) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/07/11 15:30 |
| Analytical Date: | 12/08/11 13:42 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/08/11 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 167 | | ug/kg | 36.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 |
| Decachlorobiphenyl | 48 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 |
| Decachlorobiphenyl | 51 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120098-02 | Date Collected: | 12/02/11 10:54 |
| Client ID: | SB-220 (1-2) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/07/11 15:30 |
| Analytical Date: | 12/08/11 13:54 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/08/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1248 | 93.4 | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 56 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 |
| Decachlorobiphenyl | 54 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120098-02 | Date Collected: | 12/02/11 10:54 |
| Client ID: | SB-220 (1-2) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/07/11 15:30 |
| Analytical Date: | 12/08/11 13:54 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/08/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 83.6 | | ug/kg | 34.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 56 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 |
| Decachlorobiphenyl | 54 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120098-03 | Date Collected: | 12/02/11 10:56 |
| Client ID: | SB-220 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:38 |
| Analytical Date: | 12/06/11 03:57 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 73 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120098-04 | Date Collected: | 12/02/11 10:58 |
| Client ID: | SB-220 (3-4) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:38 |
| Analytical Date: | 12/06/11 04:09 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120098-05 | Date Collected: | 12/02/11 11:00 |
| Client ID: | SB-220 (4-5) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/07/11 15:30 |
| Analytical Date: | 12/08/11 14:06 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/08/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 52 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 51 | | 30-150 |
| Decachlorobiphenyl | 64 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120098-06 | Date Collected: | 12/02/11 11:02 |
| Client ID: | SB-220 (5-6) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:38 |
| Analytical Date: | 12/06/11 04:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 105 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120098-09 | D | Date Collected: | 12/02/11 11:10 |
| Client ID: | SB-221 (0-1) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/07/11 15:30 |
| Analytical Date: | 12/08/11 17:13 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/08/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 357 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 357 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 357 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 357 | -- | 10 |
| Aroclor 1254 | ND | | ug/kg | 357 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 357 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 357 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 357 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120098

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120098-09 | D | Date Collected: | 12/02/11 11:10 |
| Client ID: | SB-221 (0-1) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/07/11 15:30 |
| Analytical Date: | 12/08/11 17:13 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/08/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 4360 | | ug/kg | 357 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120098

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120098-10 | D | Date Collected: | 12/02/11 11:12 |
| Client ID: | SB-221 (1-2) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/07/11 15:30 |
| Analytical Date: | 12/08/11 17:26 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/08/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 178 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 178 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 178 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 178 | -- | 5 |
| Aroclor 1254 | ND | | ug/kg | 178 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 178 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 178 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 178 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 85 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120098

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120098-10 | D | Date Collected: | 12/02/11 11:12 |
| Client ID: | SB-221 (1-2) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/07/11 15:30 |
| Analytical Date: | 12/08/11 17:26 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/08/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 1340 | | ug/kg | 178 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 |
| Decachlorobiphenyl | 85 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120098-11 | Date Collected: | 12/02/11 11:14 |
| Client ID: | SB-221 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:38 |
| Analytical Date: | 12/06/11 05:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 |
| Decachlorobiphenyl | 63 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120098-12 | Date Collected: | 12/02/11 11:16 |
| Client ID: | SB-221 (3-4) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:38 |
| Analytical Date: | 12/06/11 05:23 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 68 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120098-13 | Date Collected: | 12/02/11 11:18 |
| Client ID: | SB-221 (4-5) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/06/11 01:18 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 64 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 72 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120098-14 | Date Collected: | 12/02/11 11:20 |
| Client ID: | SB-221 (5-6) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/06/11 01:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1254 | 49.9 | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 72 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120098-14 | Date Collected: | 12/02/11 11:20 |
| Client ID: | SB-221 (5-6) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/06/11 01:31 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 65.0 | | ug/kg | 34.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 72 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120098

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120098-17 | D | Date Collected: | 12/02/11 11:26 |
| Client ID: | SB-222 (0-1) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/06/11 14:19 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1221 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1232 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1242 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1254 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1260 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1262 | ND | | ug/kg | 1820 | -- | 50 |
| Aroclor 1268 | ND | | ug/kg | 1820 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120098

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120098-17 | D | Date Collected: | 12/02/11 11:26 |
| Client ID: | SB-222 (0-1) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/06/11 14:19 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 19400 | | ug/kg | 1820 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120098

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120098-18 | D | Date Collected: | 12/02/11 11:28 |
| Client ID: | SB-222 (1-2) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/07/11 16:57 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 90600 | -- | 2500 |
| Aroclor 1221 | ND | | ug/kg | 90600 | -- | 2500 |
| Aroclor 1232 | ND | | ug/kg | 90600 | -- | 2500 |
| Aroclor 1242 | ND | | ug/kg | 90600 | -- | 2500 |
| Aroclor 1254 | 202000 | | ug/kg | 90600 | -- | 2500 |
| Aroclor 1260 | ND | | ug/kg | 90600 | -- | 2500 |
| Aroclor 1262 | ND | | ug/kg | 90600 | -- | 2500 |
| Aroclor 1268 | ND | | ug/kg | 90600 | -- | 2500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120098

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120098-18 | D | Date Collected: | 12/02/11 11:28 |
| Client ID: | SB-222 (1-2) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/07/11 16:57 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 384000 | | ug/kg | 90600 | -- | 2500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120098

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120098-19 | D | Date Collected: | 12/02/11 11:30 |
| Client ID: | SB-222 (2-3) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/06/11 14:44 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1254 | 538 | | ug/kg | 180 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 180 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 180 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 137 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 136 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120098

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120098-19 | D | Date Collected: | 12/02/11 11:30 |
| Client ID: | SB-222 (2-3) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/06/11 14:44 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 677 | | ug/kg | 180 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 137 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 |
| Decachlorobiphenyl | 136 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120098-20 | Date Collected: | 12/02/11 11:32 |
| Client ID: | SB-222 (3-4) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/06/11 02:37 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/06/11 00:40
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 12/03/11 06:37
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/05/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/05/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 03-04,06,11-12 Batch: WG505937-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.8 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 35 | | 30-150 |
| Decachlorobiphenyl | **28** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 36 | | 30-150 |
| Decachlorobiphenyl | **28** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/06/11 05:42
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 12/03/11 06:44
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/05/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/05/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 13-14,17-20 Batch: WG505938-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.8 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/08/11 14:43
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 12/07/11 15:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/08/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/08/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-02,05,09-10 Batch: WG506645-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.1 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 30-150 |
| Decachlorobiphenyl | 50 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 50 | | 30-150 |
| Decachlorobiphenyl | 49 | | 30-150 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 13-14,17-20 QC Batch ID: WG505938-6 WG505938-7 QC Sample: L1120100-16 Client ID: MS Sample | | | | | | | | | | | | |
| Aroclor 1016 | ND | 255 | 118 | 46 | | 113 | 43 | | 40-140 | 4 | | 50 |
| Aroclor 1260 | ND | 255 | 151 | 59 | | 138 | 53 | | 40-140 | 9 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 41 | | 38 | | 30-150 |
| Decachlorobiphenyl | 54 | | 47 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 40 | | 38 | | 30-150 |
| Decachlorobiphenyl | 55 | | 50 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 03-04,06,11-12 Batch: WG505937-2 WG505937-3 | | | | | | | | |
| Aroclor 1016 | 77 | | 67 | | 40-140 | 14 | | 50 |
| Aroclor 1260 | 70 | | 59 | | 40-140 | 17 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 65 | | 30-150 |
| Decachlorobiphenyl | 66 | | 56 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 66 | | 30-150 |
| Decachlorobiphenyl | 67 | | 58 | | 30-150 |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 13-14,17-20 Batch: WG505938-2 WG505938-3 | | | | | | | | |
| Aroclor 1016 | 84 | | 78 | | 40-140 | 7 | | 50 |
| Aroclor 1260 | 72 | | 72 | | 40-140 | 0 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 78 | | 30-150 |
| Decachlorobiphenyl | 66 | | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 79 | | 30-150 |
| Decachlorobiphenyl | 73 | | 69 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-02,05,09-10 Batch: WG506645-2 WG506645-3 | | | | | | | | |
| Aroclor 1016 | 45 | | 64 | | 40-140 | 35 | | 50 |
| Aroclor 1260 | 41 | | 60 | | 40-140 | 38 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 43 | | 56 | | 30-150 |
| Decachlorobiphenyl | 38 | | 54 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 42 | | 55 | | 30-150 |
| Decachlorobiphenyl | 38 | | 53 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120098-01
Client ID: SB-220 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:52
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120098-02
Client ID: SB-220 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:54
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120098-03
Client ID: SB-220 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:56
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120098-04
Client ID: SB-220 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 10:58
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120098-05
Client ID: SB-220 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:00
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120098-06
Client ID: SB-220 (5-6)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:02
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120098-09
Client ID: SB-221 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:10
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120098-10
Client ID: SB-221 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:12
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120098-11
Client ID: SB-221 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:14
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120098-12
Client ID: SB-221 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:16
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 12/05/11 21:50 | 30,2540G | BR |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120098-13
Client ID: SB-221 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:18
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 12/06/11 11:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120098-14
Client ID: SB-221 (5-6)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:20
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 12/06/11 11:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120098-17
Client ID: SB-222 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:26
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 12/06/11 11:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120098-18
Client ID: SB-222 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:28
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 12/06/11 11:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120098-19
Client ID: SB-222 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:30
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 12/06/11 11:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120098-20
Client ID: SB-222 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:32
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 12/06/11 11:45 | 30,2540G | JL |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-06,09-12 QC Batch ID: WG506218-1 QC Sample: L1120095-07 Client ID: DUP Sample | | | | | | |
| Solids, Total | 92 | 92 | % | 0 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 13-14,17-20 QC Batch ID: WG506340-1 QC Sample: L1120099-03 Client ID: DUP Sample | | | | | | |
| Solids, Total | 92 | 92 | % | 0 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120098
**Report Date:** 12/09/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1120098-01A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120098-02A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120098-03A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120098-04A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120098-05A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120098-06A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120098-07A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120098-08A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120098-09A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120098-10A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120098-11A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120098-12A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120098-13A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120098-14A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120098-15A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120098-16A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120098-17A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120098-18A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120098-19A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120098-20A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120098 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **NJ** | - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120098 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

***Data Qualifiers***

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120098 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised November 17, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.


*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 5 OF 15

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/2/11

ALPHA Job #: L1120098

## Client Information

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com
☐ These samples have been Previously analyzed by Alpha

## Project Information

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 12/9/11 Time:

## Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State/Fed Program: RIDEM & EPA
Criteria: RIDEM METHOD 1

## MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

## ANALYSIS

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs with SOX Extraction | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|
| 20098-1 | SB-220 (0-1) | 12-2-11 | 1052 | Soil | JDA | ☒ | | |
| 2 | SB-220 (1-2) | 12-2-11 | 1054 | Soil | | ☒ | | |
| 3 | SB-220 (2-3) | 12-2-11 | 1056 | Soil | | ☒ | | |
| 4 | SB-220 (3-4) | 12-2-11 | 1058 | Soil | | ☒ | | |
| 5 | SB-220 (4-5) | 12-2-11 | 1100 | Soil | | ☒ | | |
| 6 | SB-220 (5-6) | 12-2-11 | 1102 | Soil | | ☒ | | |
| 7 | SB-220 (6-7) | 12-2-11 | 1104 | Soil | | ☒ | | Extract & Hold |
| 8 | SB-220 (7-8) | 12-2-11 | 1106 | Soil | | ☒ | | Extract & Hold |
| 9 | SB-221 (0-1) | 12-2-11 | 1108 | Soil | | ☒ | | |
| 10 | SB-221 (1-2) | 12-2-11 | 1110 | Soil | | ☒ | | |
| | Container Type | | | | | G | | |
| | Preservative | | | | | - | | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 12-2-11 1500 | P. Gilbert | 12/2/11 1500 |
| | 12/2/11 1545 | | 12/2/11 1616 |
| | 12/2/11 1740 | | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I) (rev. 20-JAN-2010)

# CHAIN OF CUSTODY

PAGE 6 OF 15

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/2/11

ALPHA Job #: L1120098

## Client Information

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com
☐ These samples have been Previously analyzed by Alpha

## Project Information

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 12/9/11 Time:

## Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State/Fed Program RIDEM & EPA Criteria RIDEM METHOD 1

## MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

## ANALYSIS

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs with SOX Extraction | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 20098.11 | SB-221 (2-3) | 12-2-11 | 1114 | Soil | JDA | ☒ | |
| 12 | SB-221 (3-4) | 12-2-11 | 1116 | Soil | | ☒ | |
| 13 | SB-221 (4-5) | 12-2-11 | 1118 | Soil | | ☒ | |
| 14 | SB-221 (5-6) | 12-2-11 | 1120 | Soil | | ☒ | |
| 15 | SB-221 (6-7) | 12-2-11 | 1122 | Soil | | ☒ | Extract & Hold |
| 16 | SB-221 (7-8) | 12-2-11 | 1124 | Soil | | ☒ | Extract & Hold |
| 17 | SB-222 (0-1) | 12-2-11 | 1126 | Soil | | ☒ | |
| 18 | SB-222 (1-2) | 12-2-11 | 1128 | Soil | | ☒ | |
| 19 | SB-222 (2-3) | 12-2-11 | 1130 | Soil | | ☒ | |
| 20 | SB-222 (3-4) | 12-2-11 | 1132 | Soil | | ☒ | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | G | - | - | - | - | - | - | - | - | - | - | - |
| Preservative | - | - | - | - | - | - | - | - | - | - | - | - |

PLEASE ANSWER QUESTIONS ABOVE!

**IS YOUR PROJECT MA MCP or CT RCP?**

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 12-2-11 1500 | P. Gillett | 12/2/11 1500 |
| P. Gillett | 12/2/11 1540 | | 12/2/11 1610 |
| | 12/2/11 1740 | | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I) (rev. 20-JAN-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1120100 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C563-001.02 |
| Report Date: | 12/09/11 |

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1120100-01 | SB-222 (4-5) | PROVIDENCE, RI | 12/02/11 11:34 |
| L1120100-02 | SB-222 (5-6) | PROVIDENCE, RI | 12/02/11 11:36 |
| L1120100-03 | SB-222 (6-7) | PROVIDENCE, RI | 12/02/11 11:38 |
| L1120100-04 | SB-222 (7-8) | PROVIDENCE, RI | 12/02/11 11:40 |
| L1120100-05 | SB-223 (0-1) | PROVIDENCE, RI | 12/02/11 11:44 |
| L1120100-06 | SB-223 (1-2) | PROVIDENCE, RI | 12/02/11 11:46 |
| L1120100-07 | SB-223 (2-3) | PROVIDENCE, RI | 12/02/11 11:48 |
| L1120100-08 | SB-223 (3-4) | PROVIDENCE, RI | 12/02/11 11:50 |
| L1120100-09 | SB-223 (4-5) | PROVIDENCE, RI | 12/02/11 11:52 |
| L1120100-10 | SB-223 (5-6) | PROVIDENCE, RI | 12/02/11 11:54 |
| L1120100-11 | SB-223 (6-7) | PROVIDENCE, RI | 12/02/11 11:56 |
| L1120100-12 | SB-223 (7-8) | PROVIDENCE, RI | 12/02/11 11:58 |
| L1120100-13 | SB-224 (0-1) | PROVIDENCE, RI | 12/02/11 12:00 |
| L1120100-14 | SB-224 (1-2) | PROVIDENCE, RI | 12/02/11 12:02 |
| L1120100-15 | SB-224 (2-3) | PROVIDENCE, RI | 12/02/11 12:04 |
| L1120100-16 | SB-224 (3-4) | PROVIDENCE, RI | 12/02/11 12:06 |
| L1120100-17 | SB-224 (4-5) | PROVIDENCE, RI | 12/02/11 12:08 |
| L1120100-18 | SB-224 (5-6) | PROVIDENCE, RI | 12/02/11 12:10 |
| L1120100-19 | SB-224 (6-7) | PROVIDENCE, RI | 12/02/11 12:12 |
| L1120100-20 | SB-224 (7-8) | PROVIDENCE, RI | 12/02/11 12:14 |

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120100 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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PCBs

L1120100-02, -05, -06, -13, and -14 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the target compounds present in the samples.

L1120100-07 and -08 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recoveries for L1120100-02, -05 through -08, -13, and -14 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extractions were not required; therefore, the results of the original analyses are reported.

L1120100-15 and -18 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

**Case Narrative (continued)**

The MS/MSD, associated with L1120100-08, was not analyzed because the dilution required by the elevated concentrations of target compounds present in the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative Date: 12/09/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120100-01 | Date Collected: | 12/02/11 11:34 |
| Client ID: | SB-222 (4-5) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/06/11 02:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 75% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 42.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 42.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 42.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 42.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 42.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 42.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 42.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 42.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 42.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 58 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120100

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120100-02 | D | Date Collected: | 12/02/11 11:36 |
| Client ID: | SB-222 (5-6) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/06/11 14:56 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 680 | -- | 20 |
| Aroclor 1221 | ND | | ug/kg | 680 | -- | 20 |
| Aroclor 1232 | ND | | ug/kg | 680 | -- | 20 |
| Aroclor 1242 | ND | | ug/kg | 680 | -- | 20 |
| Aroclor 1254 | ND | | ug/kg | 680 | -- | 20 |
| Aroclor 1260 | ND | | ug/kg | 680 | -- | 20 |
| Aroclor 1262 | ND | | ug/kg | 680 | -- | 20 |
| Aroclor 1268 | ND | | ug/kg | 680 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120100

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120100-02 | D | Date Collected: | 12/02/11 11:36 |
| Client ID: | SB-222 (5-6) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/06/11 14:56 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 93% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 2310 | | ug/kg | 680 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120100

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120100-05 | D | Date Collected: | 12/02/11 11:44 |
| Client ID: | SB-223 (0-1) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/06/11 15:08 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 14200 | -- | 400 |
| Aroclor 1221 | ND | | ug/kg | 14200 | -- | 400 |
| Aroclor 1232 | ND | | ug/kg | 14200 | -- | 400 |
| Aroclor 1242 | ND | | ug/kg | 14200 | -- | 400 |
| Aroclor 1254 | ND | | ug/kg | 14200 | -- | 400 |
| Aroclor 1260 | ND | | ug/kg | 14200 | -- | 400 |
| Aroclor 1262 | ND | | ug/kg | 14200 | -- | 400 |
| Aroclor 1268 | ND | | ug/kg | 14200 | -- | 400 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120100

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120100-05 | D | Date Collected: | 12/02/11 11:44 |
| Client ID: | SB-223 (0-1) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/06/11 15:08 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 90% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 72900 | | ug/kg | 14200 | -- | 400 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120100

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120100-06 | D | Date Collected: | 12/02/11 11:46 |
| Client ID: | SB-223 (1-2) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/06/11 15:21 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 14600 | -- | 400 |
| Aroclor 1221 | ND | | ug/kg | 14600 | -- | 400 |
| Aroclor 1232 | ND | | ug/kg | 14600 | -- | 400 |
| Aroclor 1242 | ND | | ug/kg | 14600 | -- | 400 |
| Aroclor 1254 | ND | | ug/kg | 14600 | -- | 400 |
| Aroclor 1260 | ND | | ug/kg | 14600 | -- | 400 |
| Aroclor 1262 | ND | | ug/kg | 14600 | -- | 400 |
| Aroclor 1268 | ND | | ug/kg | 14600 | -- | 400 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120100

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120100-06 | D | Date Collected: | 12/02/11 11:46 |
| Client ID: | SB-223 (1-2) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/06/11 15:21 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 123000 | | ug/kg | 14600 | -- | 400 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120100-07 | D | Date Collected: | 12/02/11 11:48 |
| Client ID: | SB-223 (2-3) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/07/11 17:10 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 90200 | -- | 2500 |
| Aroclor 1221 | ND | | ug/kg | 90200 | -- | 2500 |
| Aroclor 1232 | ND | | ug/kg | 90200 | -- | 2500 |
| Aroclor 1242 | ND | | ug/kg | 90200 | -- | 2500 |
| Aroclor 1254 | 151000 | | ug/kg | 90200 | -- | 2500 |
| Aroclor 1260 | ND | | ug/kg | 90200 | -- | 2500 |
| Aroclor 1262 | ND | | ug/kg | 90200 | -- | 2500 |
| Aroclor 1268 | ND | | ug/kg | 90200 | -- | 2500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120100

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120100-07 | D | Date Collected: | 12/02/11 11:48 |
| Client ID: | SB-223 (2-3) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/07/11 17:10 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 280000 | | ug/kg | 90200 | -- | 2500 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120100

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120100-08 | D | Date Collected: | 12/02/11 11:50 |
| Client ID: | SB-223 (3-4) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/06/11 15:45 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7190 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7190 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7190 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7190 | -- | 200 |
| Aroclor 1254 | ND | | ug/kg | 7190 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7190 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7190 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7190 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120100

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120100-08 | D | Date Collected: | 12/02/11 11:50 |
| Client ID: | SB-223 (3-4) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 06:44 |
| Analytical Date: | 12/06/11 15:45 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 91% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 80000 | | ug/kg | 7190 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120100-09 | Date Collected: | 12/02/11 11:52 |
| Client ID: | SB-223 (4-5) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:45 |
| Analytical Date: | 12/06/11 04:09 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 |
| Decachlorobiphenyl | 94 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120100-10 | Date Collected: | 12/02/11 11:54 |
| Client ID: | SB-223 (5-6) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:45 |
| Analytical Date: | 12/06/11 04:22 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1248 | 48.8 | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.3 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.3 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120100

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120100-13 | D | Date Collected: | 12/02/11 12:00 |
| Client ID: | SB-224 (0-1) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/07/11 15:30 |
| Analytical Date: | 12/09/11 09:38 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/08/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/08/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 14800 | -- | 400 |
| Aroclor 1221 | ND | | ug/kg | 14800 | -- | 400 |
| Aroclor 1232 | ND | | ug/kg | 14800 | -- | 400 |
| Aroclor 1242 | ND | | ug/kg | 14800 | -- | 400 |
| Aroclor 1248 | 63400 | | ug/kg | 14800 | -- | 400 |
| Aroclor 1254 | 31300 | | ug/kg | 14800 | -- | 400 |
| Aroclor 1260 | ND | | ug/kg | 14800 | -- | 400 |
| Aroclor 1262 | ND | | ug/kg | 14800 | -- | 400 |
| Aroclor 1268 | ND | | ug/kg | 14800 | -- | 400 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120100

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120100-14 | D | Date Collected: | 12/02/11 12:02 |
| Client ID: | SB-224 (1-2) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/03/11 06:45 |
| Analytical Date: | 12/06/11 23:08 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 89% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 7140 | -- | 200 |
| Aroclor 1221 | ND | | ug/kg | 7140 | -- | 200 |
| Aroclor 1232 | ND | | ug/kg | 7140 | -- | 200 |
| Aroclor 1242 | ND | | ug/kg | 7140 | -- | 200 |
| Aroclor 1248 | 42600 | | ug/kg | 7140 | -- | 200 |
| Aroclor 1254 | ND | | ug/kg | 7140 | -- | 200 |
| Aroclor 1260 | ND | | ug/kg | 7140 | -- | 200 |
| Aroclor 1262 | ND | | ug/kg | 7140 | -- | 200 |
| Aroclor 1268 | ND | | ug/kg | 7140 | -- | 200 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120100-15 | Date Collected: | 12/02/11 12:04 |
| Client ID: | SB-224 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:45 |
| Analytical Date: | 12/06/11 04:49 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 110 | -- | 3 |
| Aroclor 1221 | ND | | ug/kg | 110 | -- | 3 |
| Aroclor 1232 | ND | | ug/kg | 110 | -- | 3 |
| Aroclor 1242 | ND | | ug/kg | 110 | -- | 3 |
| Aroclor 1248 | 1250 | | ug/kg | 110 | -- | 3 |
| Aroclor 1254 | 878 | | ug/kg | 110 | -- | 3 |
| Aroclor 1260 | ND | | ug/kg | 110 | -- | 3 |
| Aroclor 1262 | ND | | ug/kg | 110 | -- | 3 |
| Aroclor 1268 | ND | | ug/kg | 110 | -- | 3 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 34 | | 30-150 |
| Decachlorobiphenyl | 34 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 34 | | 30-150 |
| Decachlorobiphenyl | 59 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120100-16 | Date Collected: | 12/02/11 12:06 |
| Client ID: | SB-224 (3-4) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:45 |
| Analytical Date: | 12/06/11 05:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 78% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 41.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 41.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 41.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 41.0 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 41.0 | -- | 1 |
| Aroclor 1254 | 44.1 | | ug/kg | 41.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 41.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 41.0 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 41.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 81 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120100-17 | Date Collected: | 12/02/11 12:08 |
| Client ID: | SB-224 (4-5) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:45 |
| Analytical Date: | 12/06/11 05:15 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 |
| Decachlorobiphenyl | 63 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 |
| Decachlorobiphenyl | 74 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120100-18 | Date Collected: | 12/02/11 12:10 |
| Client ID: | SB-224 (5-6) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:45 |
| Analytical Date: | 12/06/11 05:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 69.8 | -- | 2 |
| Aroclor 1221 | ND | | ug/kg | 69.8 | -- | 2 |
| Aroclor 1232 | ND | | ug/kg | 69.8 | -- | 2 |
| Aroclor 1242 | ND | | ug/kg | 69.8 | -- | 2 |
| Aroclor 1254 | 494 | | ug/kg | 69.8 | -- | 2 |
| Aroclor 1260 | ND | | ug/kg | 69.8 | -- | 2 |
| Aroclor 1262 | ND | | ug/kg | 69.8 | -- | 2 |
| Aroclor 1268 | ND | | ug/kg | 69.8 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 44 | | 30-150 |
| Decachlorobiphenyl | 38 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 |
| Decachlorobiphenyl | 43 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120100-18 | Date Collected: | 12/02/11 12:10 |
| Client ID: | SB-224 (5-6) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:45 |
| Analytical Date: | 12/06/11 05:28 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/05/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/05/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 472 | | ug/kg | 69.8 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 44 | | 30-150 |
| Decachlorobiphenyl | 38 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 |
| Decachlorobiphenyl | 43 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/06/11 05:42
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 12/03/11 06:44
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/05/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/05/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-02,05-10,14-18 Batch: WG505938-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.8 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.8 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 77 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/08/11 14:43
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 12/07/11 15:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/08/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/08/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 13 Batch: WG506645-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.1 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 30-150 |
| Decachlorobiphenyl | 50 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 50 | | 30-150 |
| Decachlorobiphenyl | 49 | | 30-150 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-02,05-10,14-18 QC Batch ID: WG505938-6 WG505938-7 QC Sample: L1120100-16 Client ID: SB-224 (3-4) | | | | | | | | | | | | |
| Aroclor 1016 | ND | 255 | 118 | 46 | | 113 | 43 | | 40-140 | 4 | | 50 |
| Aroclor 1260 | ND | 255 | 151 | 59 | | 138 | 53 | | 40-140 | 9 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 41 | | 38 | | 30-150 |
| Decachlorobiphenyl | 54 | | 47 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 40 | | 38 | | 30-150 |
| Decachlorobiphenyl | 55 | | 50 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-02,05-10,14-18 Batch: WG505938-2 WG505938-3 | | | | | | | | |
| Aroclor 1016 | 84 | | 78 | | 40-140 | 7 | | 50 |
| Aroclor 1260 | 72 | | 72 | | 40-140 | 0 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 78 | | 30-150 |
| Decachlorobiphenyl | 66 | | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 79 | | 30-150 |
| Decachlorobiphenyl | 73 | | 69 | | 30-150 |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 13 Batch: WG506645-2 WG506645-3 | | | | | | | | |
| Aroclor 1016 | 45 | | 64 | | 40-140 | 35 | | 50 |
| Aroclor 1260 | 41 | | 60 | | 40-140 | 38 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 43 | | 56 | | 30-150 |
| Decachlorobiphenyl | 38 | | 54 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 42 | | 55 | | 30-150 |
| Decachlorobiphenyl | 38 | | 53 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120100-01
Client ID: SB-222 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:34
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 75 | | % | 0.10 | NA | 1 | - | 12/06/11 11:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120100-02
Client ID: SB-222 (5-6)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:36
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 12/06/11 11:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120100-05
Client ID: SB-223 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:44
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 12/06/11 11:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120100-06
Client ID: SB-223 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:46
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 12/06/11 11:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120100-07
Client ID: SB-223 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:48
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 12/06/11 11:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120100-08
Client ID: SB-223 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:50
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 12/06/11 11:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120100-09
Client ID: SB-223 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:52
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 12/06/11 11:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120100-10
Client ID: SB-223 (5-6)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:54
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 12/06/11 11:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120100-13
Client ID: SB-224 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:00
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 12/06/11 11:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120100-14
Client ID: SB-224 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:02
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120100-15
Client ID: SB-224 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:04
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120100-16
Client ID: SB-224 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:06
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 78 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120100-17
Client ID: SB-224 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:08
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120100-18
Client ID: SB-224 (5-6)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:10
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-02,05-10,13 QC Batch ID: WG506340-1 QC Sample: L1120099-03 Client ID: DUP Sample | | | | | | |
| Solids, Total | 92 | 92 | % | 0 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 14-18 QC Batch ID: WG506357-1 QC Sample: L1120102-14 Client ID: DUP Sample | | | | | | |
| Solids, Total | 88 | 89 | % | 1 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120100
**Report Date:** 12/09/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1120100-01A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120100-02A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120100-03A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120100-04A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120100-05A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120100-06A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120100-07A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120100-08A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120100-09A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120100-10A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120100-11A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120100-12A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120100-13A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120100-14A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120100-15A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120100-16A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120100-17A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120100-18A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120100-19A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120100-20A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120100 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **NJ** | - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120100 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

***Data Qualifiers***

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120100 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised November 17, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.


*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 7 OF 15

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/2/11

ALPHA Job #: L1120100

## Client Information

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com

☐ These samples have been Previously analyzed by Alpha

## Project Information

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 12/9/11 Time:

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

## Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State/Fed Program: RIDEM & EPA
Criteria: RIDEM METHOD 1

## MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

## ANALYSIS

PCBs with SOX Extraction

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs with SOX Extraction | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 20100-1 | SB-222 (4-5) | 12-2-11 | 1134 | Soil | SDA | ☒ | |
| 2 | SB-222 (5-6) | 12-2-11 | 1136 | Soil | | ☒ | |
| 3 | SB-222 (6-7) | 12-2-11 | 1138 | Soil | | ☒ | Extract & Hold |
| 4 | SB-222 (7-8) | 12-2-11 | 1140 | Soil | | ☒ | Extract & Hold |
| 5 | SB-223 (0-1) | 12-2-11 | 1144 | Soil | | ☒ | |
| 6 | SB-223 (1-2) | 12-2-11 | 1146 | Soil | | ☒ | |
| 7 | SB-223 (2-3) | 12-2-11 | 1148 | Soil | | ☒ | |
| 8 | SB-223 (3-4) | 12-2-11 | 1150 | Soil | | ☒ | |
| 9 | SB-223 (4-5) | 12-2-11 | 1152 | Soil | | ☒ | |
| 10 | SB-223 (5-6) | 12-2-11 | 1154 | Soil | | ☒ | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | G | - | - | - | - | - | - | - | - | - | - | - |
| Preservative | - | - | - | - | - | - | - | - | - | - | - | - |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 12-2-11 1500 | P. Gillett | 12/2/11 1500 |
| P. Gillett | 12/2/11 1545 | | 12/2/11 1612 |
| MCM | 12/2/11 1740 | | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I) (rev. 20-JAN-2010)

# CHAIN OF CUSTODY

PAGE 8 OF 15

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/2/11

ALPHA Job #: L1120100

## Client Information

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com

☐ These samples have been Previously analyzed by Alpha

## Project Information

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 12/9/11 Time:

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

## Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client Info PO #:

## Regulatory Requirements/Report Limits

*State/Fed Program* RIDEM & EPA *Criteria* RIDEM METHOD 1

## MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

## ANALYSIS

PCBs with SOX Extraction

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs with SOX Extraction | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 20100. 11 | SB-223 (6-7) | 12-2-11 | 1156 | Soil | SDA | ☒ | Extract & Hold |
| 12 | SB-223 (7-8) | 12-2-11 | 1158 | Soil | | ☒ | Extract & Hold |
| 13 | SB-224 (0-1) | 12-2-11 | 1200 | Soil | | ☒ | |
| 14 | SB-224(1-2) | 12-2-11 | 1202 | Soil | | ☒ | |
| 15 | SB-224(2-3) | 12-2-11 | 1204 | Soil | | ☒ | |
| 16 | SB-224(3-4) | 12-2-11 | 1206 | Soil | | ☒ | |
| 17 | SB-224(4-5) | 12-2-11 | 1208 | Soil | | ☒ | |
| 18 | SB-224(5-6) | 12-2-11 | 1210 | Soil | | ☒ | |
| 19 | SB-224(6-7) | 12-2-11 | 1212 | Soil | | ☒ | Extract & Hold |
| 20 | SB-224(7-8) | 12-2-11 | 1214 | Soil | | ☒ | Extract & Hold |
| | Container Type | | | | | G | |
| | Preservative | | | | | - | |

PLEASE ANSWER QUESTIONS ABOVE!

**IS YOUR PROJECT MA MCP *or* CT RCP?**

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 12-2-11 1500 | P. Gilbert | 12/2/11 1500 |
| P. Gilbert | 12/2/11 1545 | | 12/2/11 1616 |
| MCM | 12/2/11 1740 | | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I) (rev. 20-JAN-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1120102 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C563-001.02 |
| Report Date: | 12/09/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1120102-01 | SB-225 (0-1) | PROVIDENCE, RI | 12/02/11 12:18 |
| L1120102-02 | SB-225 (1-2) | PROVIDENCE, RI | 12/02/11 12:20 |
| L1120102-03 | SB-225 (2-3) | PROVIDENCE, RI | 12/02/11 12:22 |
| L1120102-04 | SB-225 (3-4) | PROVIDENCE, RI | 12/02/11 12:24 |
| L1120102-05 | SB-225 (4-5) | PROVIDENCE, RI | 12/02/11 12:26 |
| L1120102-06 | SB-225 (5-6) | PROVIDENCE, RI | 12/02/11 12:28 |
| L1120102-07 | SB-225 (6-7) | PROVIDENCE, RI | 12/02/11 12:30 |
| L1120102-08 | SB-225 (7-8) | PROVIDENCE, RI | 12/02/11 12:32 |
| L1120102-09 | SB-226 (0-1) | PROVIDENCE, RI | 12/02/11 12:36 |
| L1120102-10 | SB-226 (1-2) | PROVIDENCE, RI | 12/02/11 12:38 |
| L1120102-11 | SB-226 (2-3) | PROVIDENCE, RI | 12/02/11 12:40 |
| L1120102-12 | SB-226 (3-4) | PROVIDENCE, RI | 12/02/11 12:42 |
| L1120102-13 | SB-226 (4-5) | PROVIDENCE, RI | 12/02/11 12:44 |
| L1120102-14 | SB-226 (5-6) | PROVIDENCE, RI | 12/02/11 12:46 |
| L1120102-15 | SB-226 (6-7) | PROVIDENCE, RI | 12/02/11 12:48 |
| L1120102-16 | SB-226 (7-8) | PROVIDENCE, RI | 12/02/11 12:50 |
| L1120102-17 | SB-227 (0-1) | PROVIDENCE, RI | 12/02/11 12:54 |
| L1120102-18 | SB-227 (1-2) | PROVIDENCE, RI | 12/02/11 12:56 |
| L1120102-19 | SB-227 (2-3) | PROVIDENCE, RI | 12/02/11 12:58 |
| L1120102-20 | SB-227 (3-4) | PROVIDENCE, RI | 12/02/11 13:00 |
| L1120102-21 | SB-227 (4-5) | PROVIDENCE, RI | 12/02/11 13:02 |
| L1120102-22 | SB-227 (5-6) | PROVIDENCE, RI | 12/02/11 13:04 |
| L1120102-23 | SB-227 (6-7) | PROVIDENCE, RI | 12/02/11 13:06 |
| L1120102-24 | SB-227 (7-8) | PROVIDENCE, RI | 12/02/11 13:08 |
| L1120102-25 | SB-228 (0-1) | PROVIDENCE, RI | 12/02/11 13:14 |
| L1120102-26 | SB-228 (1-2) | PROVIDENCE, RI | 12/02/11 13:16 |
| L1120102-27 | SB-228 (2-3) | PROVIDENCE, RI | 12/02/11 13:18 |
| L1120102-28 | SB-228 (3-4) | PROVIDENCE, RI | 12/02/11 13:20 |
| L1120102-29 | SB-228 (4-5) | PROVIDENCE, RI | 12/02/11 13:22 |
| L1120102-30 | SB-228 (5-6) | PROVIDENCE, RI | 12/02/11 13:24 |
| L1120102-31 | SB-228 (6-7) | PROVIDENCE, RI | 12/02/11 13:26 |

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1120102-32 | SB-228 (7-8) | PROVIDENCE, RI | 12/02/11 13:28 |
| L1120102-33 | SB-229 (0-1) | PROVIDENCE, RI | 12/02/11 13:32 |
| L1120102-34 | SB-229 (1-2) | PROVIDENCE, RI | 12/02/11 13:34 |
| L1120102-35 | SB-229 (2-3) | PROVIDENCE, RI | 12/02/11 13:36 |
| L1120102-36 | SB-229 (3-4) | PROVIDENCE, RI | 12/02/11 13:38 |
| L1120102-37 | SB-229 (4-5) | PROVIDENCE, RI | 12/02/11 13:40 |
| L1120102-38 | SB-229 (5-6) | PROVIDENCE, RI | 12/02/11 13:42 |
| L1120102-39 | SB-229 (6-7) | PROVIDENCE, RI | 12/02/11 13:44 |
| L1120102-40 | SB-229 (7-8) | PROVIDENCE, RI | 12/02/11 13:46 |
| L1120102-41 | SB-230 (0-1) | PROVIDENCE, RI | 12/02/11 13:50 |
| L1120102-42 | SB-230 (1-2) | PROVIDENCE, RI | 12/02/11 13:52 |
| L1120102-43 | SB-230 (2-3) | PROVIDENCE, RI | 12/02/11 13:54 |
| L1120102-44 | SB-230 (3-4) | PROVIDENCE, RI | 12/02/11 13:56 |
| L1120102-45 | SB-230 (4-5) | PROVIDENCE, RI | 12/02/11 13:58 |
| L1120102-46 | SB-230 (5-6) | PROVIDENCE, RI | 12/02/11 14:00 |
| L1120102-47 | SB-230 (6-7) | PROVIDENCE, RI | 12/02/11 14:02 |
| L1120102-48 | SB-230 (7-8) | PROVIDENCE, RI | 12/02/11 14:04 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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PCBs

L1120102-01, -02, and -03 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

L1120102-06 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The surrogate recoveries for L1120102-06 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (Both at 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 12/09/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-01 | Date Collected: | 12/02/11 12:18 |
| Client ID: | SB-225 (0-1) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/08/11 12:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 110 | -- | 3 |
| Aroclor 1221 | ND | | ug/kg | 110 | -- | 3 |
| Aroclor 1232 | ND | | ug/kg | 110 | -- | 3 |
| Aroclor 1242 | ND | | ug/kg | 110 | -- | 3 |
| Aroclor 1248 | 336 | | ug/kg | 110 | -- | 3 |
| Aroclor 1260 | ND | | ug/kg | 110 | -- | 3 |
| Aroclor 1262 | ND | | ug/kg | 110 | -- | 3 |
| Aroclor 1268 | ND | | ug/kg | 110 | -- | 3 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 52 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 |
| Decachlorobiphenyl | 90 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-01 | Date Collected: | 12/02/11 12:18 |
| Client ID: | SB-225 (0-1) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/08/11 12:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 423 | | ug/kg | 110 | -- | 3 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 52 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 |
| Decachlorobiphenyl | 90 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-02 | Date Collected: | 12/02/11 12:20 |
| Client ID: | SB-225 (1-2) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 01:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 71.6 | -- | 2 |
| Aroclor 1221 | ND | | ug/kg | 71.6 | -- | 2 |
| Aroclor 1232 | ND | | ug/kg | 71.6 | -- | 2 |
| Aroclor 1242 | ND | | ug/kg | 71.6 | -- | 2 |
| Aroclor 1254 | 578 | | ug/kg | 71.6 | -- | 2 |
| Aroclor 1262 | ND | | ug/kg | 71.6 | -- | 2 |
| Aroclor 1268 | ND | | ug/kg | 71.6 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 43 | | 30-150 |
| Decachlorobiphenyl | 53 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 41 | | 30-150 |
| Decachlorobiphenyl | 76 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-02 | Date Collected: | 12/02/11 12:20 |
| Client ID: | SB-225 (1-2) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 01:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 457 | | ug/kg | 71.6 | -- | 2 |
| Aroclor 1260 | 74.7 | | ug/kg | 71.6 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 43 | | 30-150 |
| Decachlorobiphenyl | 53 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 41 | | 30-150 |
| Decachlorobiphenyl | 76 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-03 | Date Collected: | 12/02/11 12:22 |
| Client ID: | SB-225 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 01:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 72.0 | -- | 2 |
| Aroclor 1221 | ND | | ug/kg | 72.0 | -- | 2 |
| Aroclor 1232 | ND | | ug/kg | 72.0 | -- | 2 |
| Aroclor 1242 | ND | | ug/kg | 72.0 | -- | 2 |
| Aroclor 1254 | 335 | | ug/kg | 72.0 | -- | 2 |
| Aroclor 1260 | ND | | ug/kg | 72.0 | -- | 2 |
| Aroclor 1262 | ND | | ug/kg | 72.0 | -- | 2 |
| Aroclor 1268 | ND | | ug/kg | 72.0 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-03 | Date Collected: | 12/02/11 12:22 |
| Client ID: | SB-225 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 01:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 399 | | ug/kg | 72.0 | -- | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 |
| Decachlorobiphenyl | 71 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-04 | Date Collected: | 12/02/11 12:24 |
| Client ID: | SB-225 (3-4) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 02:05 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 94% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 |
| Decachlorobiphenyl | 64 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 |
| Decachlorobiphenyl | 74 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-05 | Date Collected: | 12/02/11 12:26 |
| Client ID: | SB-225 (4-5) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 02:18 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1254 | 110 | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 41 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 42 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-05 | Date Collected: | 12/02/11 12:26 |
| Client ID: | SB-225 (4-5) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 02:18 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 86% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 85.8 | | ug/kg | 36.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 41 | | 30-150 |
| Decachlorobiphenyl | 65 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 42 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120102

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120102-06 | D | Date Collected: | 12/02/11 12:28 |
| Client ID: | SB-225 (5-6) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/08/11 11:32 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 377 | -- | 10 |
| Aroclor 1221 | ND | | ug/kg | 377 | -- | 10 |
| Aroclor 1232 | ND | | ug/kg | 377 | -- | 10 |
| Aroclor 1242 | ND | | ug/kg | 377 | -- | 10 |
| Aroclor 1248 | ND | | ug/kg | 377 | -- | 10 |
| Aroclor 1260 | ND | | ug/kg | 377 | -- | 10 |
| Aroclor 1262 | ND | | ug/kg | 377 | -- | 10 |
| Aroclor 1268 | ND | | ug/kg | 377 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER **Lab Number:** L1120102

**Project Number:** C563-001.02 **Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120102-06 | D | Date Collected: | 12/02/11 12:28 |
| Client ID: | SB-225 (5-6) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/08/11 11:32 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 88% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 3160 | | ug/kg | 377 | -- | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-09 | Date Collected: | 12/02/11 12:36 |
| Client ID: | SB-226 (0-1) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 02:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1254 | 490 | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 41 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 41 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-09 | Date Collected: | 12/02/11 12:36 |
| Client ID: | SB-226 (0-1) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 02:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 319 | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1260 | 74.9 | | ug/kg | 37.4 | -- | 1 |
| Aroclor 1268 | 46.0 | | ug/kg | 37.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 41 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 41 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-10 | Date Collected: | 12/02/11 12:38 |
| Client ID: | SB-226 (1-2) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 02:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1254 | 252 | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 99 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 107 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-10 | Date Collected: | 12/02/11 12:38 |
| Client ID: | SB-226 (1-2) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 02:58 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 159 | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1260 | 42.7 | | ug/kg | 35.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 99 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 107 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-11 | Date Collected: | 12/02/11 12:40 |
| Client ID: | SB-226 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 03:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1254 | 103 | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 99 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-11 | Date Collected: | 12/02/11 12:40 |
| Client ID: | SB-226 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 03:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 71.4 | | ug/kg | 36.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 |
| Decachlorobiphenyl | 99 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-12 | Date Collected: | 12/02/11 12:42 |
| Client ID: | SB-226 (3-4) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 04:17 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1260 | 38.7 | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 |
| Decachlorobiphenyl | 102 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-12 | Date Collected: | 12/02/11 12:42 |
| Client ID: | SB-226 (3-4) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 04:17 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 36.8 | | ug/kg | 36.8 | -- | 1 |
| Aroclor 1254 | 62.8 | | ug/kg | 36.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 |
| Decachlorobiphenyl | 102 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-13 | Date Collected: | 12/02/11 12:44 |
| Client ID: | SB-226 (4-5) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 04:30 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 85% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 |
| Decachlorobiphenyl | 86 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 |
| Decachlorobiphenyl | 95 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-14 | Date Collected: | 12/02/11 12:46 |
| Client ID: | SB-226 (5-6) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 04:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1254 | 79.3 | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120102-14 | Date Collected: | 12/02/11 12:46 |
| Client ID: | SB-226 (5-6) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 04:44 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 61.2 | | ug/kg | 36.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/07/11 03:24
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 12/05/11 10:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-06,09-14 Batch: WG506027-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.1 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 104 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-06,09-14 QC Batch ID: WG506027-12 WG506027-13 QC Sample: L1120102-14 Client ID: SB-226 (5-6) | | | | | | | | | | | | |
| Aroclor 1016 | ND | 226 | 206 | 91 | | 195 | 86 | | 40-140 | 5 | | 50 |
| Aroclor 1260 | ND | 226 | 239 | 106 | | 220 | 97 | | 40-140 | 8 | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 74 | | 30-150 |
| Decachlorobiphenyl | 95 | | 96 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 77 | | 30-150 |
| Decachlorobiphenyl | 92 | | 94 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-06,09-14 Batch: WG506027-2 WG506027-3 | | | | | | | | |
| Aroclor 1016 | 82 | | 95 | | 40-140 | 15 | | 50 |
| Aroclor 1260 | 70 | | 84 | | 40-140 | 18 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 94 | | 30-150 |
| Decachlorobiphenyl | 63 | | 77 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 94 | | 30-150 |
| Decachlorobiphenyl | 69 | | 85 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120102-01
Client ID: SB-225 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:18
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120102-02
Client ID: SB-225 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:20
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120102-03
Client ID: SB-225 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:22
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120102-04
Client ID: SB-225 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:24
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120102-05
Client ID: SB-225 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:26
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120102-06
Client ID: SB-225 (5-6)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:28
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120102-09
Client ID: SB-226 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:36
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120102-10
Client ID: SB-226 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:38
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120102-11
Client ID: SB-226 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:40
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120102-12
Client ID: SB-226 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:42
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120102-13
Client ID: SB-226 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:44
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120102-14
Client ID: SB-226 (5-6)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:46
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-06,09-14 QC Batch ID: WG506357-1 QC Sample: L1120102-14 Client ID: SB-226 (5-6) | | | | | | |
| Solids, Total | 88 | 89 | % | 1 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1120102-01A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120102-02A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120102-03A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120102-04A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120102-05A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120102-06A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120102-07A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120102-08A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120102-09A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120102-10A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120102-11A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120102-12A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120102-13A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120102-14A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120102-15A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120102-16A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120102-17A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-18A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-19A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-20A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-21A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-22A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-23A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-24A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-25A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-26A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-27A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |

*Values in parentheses indicate holding time in days

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120102
**Report Date:** 12/09/11

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1120102-28A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-29A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-30A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-31A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-32A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-33A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-34A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-35A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-36A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-37A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-38A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-39A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-40A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-41A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-42A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-43A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-44A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-45A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-46A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-47A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |
| L1120102-48A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | HOLD(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120102 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **NJ** | - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120102 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

***Data Qualifiers***

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120102 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised November 17, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.


*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 9 OF 15

Date Rec'd in Lab: 12/2/11

ALPHA Job #: L1120102

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

## Client Information

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com

☐ These samples have been Previously analyzed by Alpha

## Project Information

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

## Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

*State/Fed Program* RIDEM & EPA *Criteria* RIDEM METHOD 1

## MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

## ANALYSIS

PCBs with SOX Extraction

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs with SOX Extraction | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 20102-1 | SB-225 (0-1) | 12-2-11 | 1218 | Soil | JDA | ☒ | |
| 2 | SB-225 (1-2) | 12-2-11 | 1220 | Soil | | ☒ | |
| 3 | SB-225 (2-3) | 12-2-11 | 1222 | Soil | | ☒ | |
| 4 | SB-225(3-4) | 12-2-11 | 1224 | Soil | | ☒ | |
| 5 | SB-225(4-5) | 12-2-11 | 1226 | Soil | | ☒ | |
| 6 | SB-225 (5-6) | 12-2-11 | 1228 | Soil | | ☒ | |
| 7 | SB-225 (6-7) | 12-2-11 | 1230 | Soil | | ☒ | Extract & Hold |
| 8 | SB-225 (7-8) | 12-2-11 | 1232 | Soil | | ☒ | Extract & Hold |
| 9 | SB-226 (0-1) | 12-2-11 | 1236 | Soil | | ☒ | |
| 10 | SB-226 (1-2) | 12-2-11 | 1238 | Soil | | ☒ | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | G | - | - | - | - | - | - | - | - | - | - | - |
| Preservative | - | - | - | - | - | - | - | - | - | - | - | - |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 12-2-11 1500 | P. Gilbert | 12/2/11 1500 |
| H.C.M | 12/2/11 1545 | H.C.M | 12/2/11 1616 |
| H.C.M | 12/2/11 1740 | | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I) (rev. 20-JAN-2010)

# CHAIN OF CUSTODY

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ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/2/11

ALPHA Job #: L1120102

## Client Information

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com

☐ These samples have been Previously analyzed by Alpha

## Project Information

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

## Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State/Fed Program RIDEM & EPA Criteria RIDEM METHOD 1

## MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

## ANALYSIS

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs with SOX Extraction | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|
| 20102 11 | SB-226 (2-3) | 12-2-11 | 1240 | Soil | SDA | ☒ | | |
| 12 | SB-226 (3-4) | 12-2-11 | 1242 | Soil | | ☒ | | |
| 13 | SB-226 (4-5) | 12-2-11 | 1244 | Soil | | ☒ | | |
| 14 | SB-226 (5-6) | 12-2-11 | 1246 | Soil | | ☒ | | |
| 15 | SB-226 (6-7) | 12-2-11 | 1248 | Soil | | ☒ | | Extract & Hold |
| 16 | SB-226 (7-8) | 12-2-11 | 1250 | Soil | | ☒ | | Extract & Hold |
| 17 | SB-227 (0-1) | 12-2-11 | 1254 | Soil | | ☒ | | HOLD |
| 18 | SB-227 (1-2) | 12-2-11 | 1256 | Soil | | ☒ | | HOLD |
| 19 | SB-227 (2-3) | 12-2-11 | 1258 | Soil | | ☒ | | HOLD |
| 20 | SB-227 (3-4) | 12-2-11 | 1300 | Soil | | ☒ | | HOLD |
| | | | | Container Type | | G | | |
| | | | | Preservative | | - | | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gillett | 12-2-11 1500 | P. Gillett | 12/2/11 1500 |
| MCM | 12/2/11 1545 | MCM | 12/2/11 1740 |
| | 12/2/11 1740 | | |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I) (rev. 20-JAN-2010)

# CHAIN OF CUSTODY

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ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/2/11

ALPHA Job #: L1120102

## Client Information

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com

☐ These samples have been Previously analyzed by Alpha

## Project Information

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

## Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

*State/Fed Program* RIDEM & EPA *Criteria* RIDEM METHOD 1

## MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

## ANALYSIS

PCBs with SOX Extraction

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs with SOX Extraction | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 20102.21 | SB-227 (4-5) | 12-2-11 | 1302 | Soil | JDA | ☒ | AOCD |
| 22 | SB-227 (5-6) | 12-2-11 | 1304 | Soil | | ☒ | HOCD |
| 23 | SB-227 (6-7) | 12-2-11 | 1306 | Soil | | ☒ | HOCD |
| 24 | SB-227 (7-8) | 12-2-11 | 1308 | Soil | | ☒ | HOCD |
| 25 | SB-228 (0-1) | 12-2-11 | 1314 | Soil | | ☒ | HOCD |
| 26 | SB-228 (1-2) | 12-2-11 | 1316 | Soil | | ☒ | HOCD |
| 27 | SB-228 (2-3) | 12-2-11 | 1318 | Soil | | ☒ | HOCD |
| 28 | SB-228 (3-4) | 12-2-11 | 1320 | Soil | | ☒ | HOCD |
| 29 | SB-228 (4-5) | 12-2-11 | 1322 | Soil | | ☒ | HOCD |
| 30 | SB-228 (5-6) | 12-2-11 | 1324 | Soil | | ☒ | HOCD |
| | | | | | | Container Type: G | |
| | | | | | | Preservative: - | |

PLEASE ANSWER QUESTIONS ABOVE!

**IS YOUR PROJECT MA MCP or CT RCP?**

FORM NO: 01-01(I) (rev. 20-JAN-2010)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gillett | 12-2-11 1500 | P. Gillett | 12/2/11 1500 |
| YCM | 12/2/11 1545 | YCM | 12/2/11 1616 |
| | 12/2/11 1740 | | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

# CHAIN OF CUSTODY

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ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/2/11

ALPHA Job #: L1120102

## Client Information

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com
☐ These samples have been Previously analyzed by Alpha

## Project Information

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: Time:

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

## Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State/Fed Program: RIDEM & EPA
Criteria: RIDEM METHOD 1

## MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

## ANALYSIS

PCBs with SOX Extraction

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs with SOX Extraction | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 20102-31 | SB-228 (6-7) | 12-2-11 | 1326 | Soil | SDA | ☒ | HOLD |
| 32 | SB-228 (7-8) | 12-2-11 | 1328 | Soil | | ☒ | |
| 33 | SB-229 (0-1) | 12-2-11 | 1332 | Soil | | ☒ | |
| 34 | SB-229 (1-2) | 12-2-11 | 1334 | Soil | | ☒ | |
| 35 | SB-229 (2-3) | 12-2-11 | 1336 | Soil | | ☒ | |
| 36 | SB-229 (3-4) | 12-2-11 | 1338 | Soil | | ☒ | |
| 37 | SB-229 (4-5) | 12-2-11 | 1340 | Soil | | ☒ | |
| 38 | SB-229 (5-6) | 12-2-11 | 1342 | Soil | | ☒ | |
| 39 | SB-229 (6-7) | 12-2-11 | 1344 | Soil | | ☒ | |
| 40 | SB-229 (7-8) | 12-2-11 | 1346 | Soil | | ☒ | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | G | - | - | - | - | - | - | - | - | - | - | - | |
| Preservative | - | - | - | - | - | - | - | - | - | - | - | - | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 12-2-11 1500 | P. Gilbert | 12/2/11 1500 |
| P. Gilbert | 12/2/11 1545 | | 12/2/11 1616 |
| | 12/2/11 1740 | | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I) (rev. 20-JAN-2010)

# CHAIN OF CUSTODY

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ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/2/11

ALPHA Job #: L1120102

## Client Information

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com

☐ These samples have been Previously analyzed by Alpha

## Project Information

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

## Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

*State/Fed Program* RIDEM & EPA *Criteria* RIDEM METHOD 1

## MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

## ANALYSIS

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs with SOX Extraction | TOTAL # BOTTLES | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|
| Z0102-41 | SB-230 (0-1) | 12-2-11 | 1350 | Soil | SDA | ☒ | | HOLD |
| 42 | SB-230 (1-2) | 12-2-11 | 1352 | Soil | | ☒ | | |
| 43 | SB-230 (2-3) | 12-2-11 | 1354 | Soil | | ☒ | | |
| 44 | SB-230 (3-4) | 12-2-11 | 1356 | Soil | | ☒ | | |
| 45 | SB-230 (4-5) | 12-2-11 | 1358 | Soil | | ☒ | | |
| 46 | SB-230 (5-6) | 12-2-11 | 1400 | Soil | | ☒ | | |
| 47 | SB-230 (6-7) | 12-2-11 | 1402 | Soil | | ☒ | | |
| 48 | SB-230 (7-8) | 12-2-11 | 1404 | Soil | | ☒ | | |
| | | 12-2-11 | | Soil | | ☒ | | |
| | | 12-2-11 | | Soil | | ☒ | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | G | - | - | - | - | - | - | - | - | - | - | - | |
| Preservative | - | - | - | - | - | - | - | - | - | - | - | - | |

**PLEASE ANSWER QUESTIONS ABOVE!**

**IS YOUR PROJECT MA MCP *or* CT RCP?**

FORM NO: 01-01(I) (rev. 20-JAN-2010)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 12-2-11 1800 | P. Gilbert | 12/2/11 1500 |
| | 12/2/11 1545 | | 12/2/11 1610 |
| | 12/2/11 1740 | | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1120107 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C563-001.02 |
| Report Date: | 12/09/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120107
**Report Date:** 12/09/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1120107-01 | SB-5223 (4-5) | PROVIDENCE, RI | 12/02/11 11:53 |
| L1120107-02 | SB-5224 (6-7) | PROVIDENCE, RI | 12/02/11 12:13 |
| L1120107-03 | SB-5226 (7-8) | PROVIDENCE, RI | 12/02/11 12:51 |
| L1120107-04 | SB-5229 (2-3) | PROVIDENCE, RI | 12/02/11 13:35 |
| L1120107-05 | SB-GPR(0-1) | PROVIDENCE, RI | 12/02/11 14:30 |

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120107 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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Report Submission

This report contains the results for "SB-5223 (4-5)", "SB-5224 (6-7)", "SB-5226 (7-8)", "SB-5229 (2-3)", and "SB-GPR(0-1)". The results for all other samples will be issued under separate cover.

PCBs

L1120107-01 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The surrogate recoveries for L1120107-01 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (Both at 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons Elizabeth Simmons

Title: Technical Director/Representative Date: 12/09/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120107
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120107-01 | D | Date Collected: | 12/02/11 11:53 |
| Client ID: | SB-5223 (4-5) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/08/11 11:44 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 94% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 3470 | -- | 100 |
| Aroclor 1221 | ND | | ug/kg | 3470 | -- | 100 |
| Aroclor 1232 | ND | | ug/kg | 3470 | -- | 100 |
| Aroclor 1242 | ND | | ug/kg | 3470 | -- | 100 |
| Aroclor 1248 | 29900 | | ug/kg | 3470 | -- | 100 |
| Aroclor 1254 | 14400 | | ug/kg | 3470 | -- | 100 |
| Aroclor 1260 | ND | | ug/kg | 3470 | -- | 100 |
| Aroclor 1262 | ND | | ug/kg | 3470 | -- | 100 |
| Aroclor 1268 | ND | | ug/kg | 3470 | -- | 100 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 |
| Decachlorobiphenyl | **0** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120107
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120107-02 | Date Collected: | 12/02/11 12:13 |
| Client ID: | SB-5224 (6-7) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 05:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 80% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1254 | 44.5 | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120107
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120107-02 | Date Collected: | 12/02/11 12:13 |
| Client ID: | SB-5224 (6-7) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 05:10 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 80% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 57.6 | | ug/kg | 39.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120107
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120107-03 | Date Collected: | 12/02/11 12:51 |
| Client ID: | SB-5226 (7-8) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 05:23 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1248 | 41.0 | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1254 | 55.3 | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 |
| Decachlorobiphenyl | 58 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 |
| Decachlorobiphenyl | 66 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120107
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120107-04 | Date Collected: | 12/02/11 13:35 |
| Client ID: | SB-5229 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 05:37 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1254 | 89.4 | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1260 | 50.7 | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 |
| Decachlorobiphenyl | 55 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120107
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120107-04 | Date Collected: | 12/02/11 13:35 |
| Client ID: | SB-5229 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 05:37 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 75.9 | | ug/kg | 36.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 |
| Decachlorobiphenyl | 55 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120107
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120107-05 | Date Collected: | 12/02/11 14:30 |
| Client ID: | SB-GPR(0-1) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 05:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 80% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 40.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 40.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 40.7 | -- | 1 |
| Aroclor 1254 | 452 | | ug/kg | 40.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 40.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 40.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 |
| Decachlorobiphenyl | 98 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120107
**Report Date:** 12/09/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120107-05 | Date Collected: | 12/02/11 14:30 |
| Client ID: | SB-GPR(0-1) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 10:50 |
| Analytical Date: | 12/07/11 05:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/06/11 |
| Percent Solids: | 80% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/06/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 354 | | ug/kg | 40.7 | -- | 1 |
| Aroclor 1260 | 57.4 | | ug/kg | 40.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 69 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 |
| Decachlorobiphenyl | 98 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120107
**Report Date:** 12/09/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/07/11 03:24
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 12/05/11 10:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-05 Batch: WG506027-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.1 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.1 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 30-150 |
| Decachlorobiphenyl | 78 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 104 | | 30-150 |
| Decachlorobiphenyl | 101 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120107
**Report Date:** 12/09/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG506027-2 WG506027-3 | | | | | | | | |
| Aroclor 1016 | 82 | | 95 | | 40-140 | 15 | | 50 |
| Aroclor 1260 | 70 | | 84 | | 40-140 | 18 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 94 | | 30-150 |
| Decachlorobiphenyl | 63 | | 77 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 94 | | 30-150 |
| Decachlorobiphenyl | 69 | | 85 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120107
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120107-01
Client ID: SB-5223 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:53
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 94 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120107
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120107-02
Client ID: SB-5224 (6-7)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:13
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 80 | | % | 0.10 | NA | 1 | - | 12/06/11 12:45 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120107
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120107-03
Client ID: SB-5226 (7-8)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:51
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 12/06/11 13:20 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120107
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120107-04
Client ID: SB-5229 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:35
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 12/06/11 13:20 | 30,2540G | JL |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120107
**Report Date:** 12/09/11

## SAMPLE RESULTS

Lab ID: L1120107-05
Client ID: SB-GPR(0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 14:30
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 80 | | % | 0.10 | NA | 1 | - | 12/06/11 13:20 | 30,2540G | JL |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120107
**Report Date:** 12/09/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG506357-1 QC Sample: L1120102-14 Client ID: DUP Sample | | | | | | |
| Solids, Total | 88 | 89 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 03-05 QC Batch ID: WG506374-1 QC Sample: L1120109-16 Client ID: DUP Sample | | | | | | |
| Solids, Total | 86 | 85 | % | 1 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120107
**Report Date:** 12/09/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1120107-01A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120107-01B | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120107-01C | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120107-02A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120107-02B | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120107-02C | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120107-03A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120107-03B | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120107-03C | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120107-04A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120107-04B | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120107-04C | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120107-05A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120107-05B | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | - |
| L1120107-05C | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | - |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120107 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **NJ** | - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120107 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

***Data Qualifiers***

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120107 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/09/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised November 17, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.


*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 4 OF 15

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/2/11

ALPHA Job #: L1120107

**Client Information**

Client:
Address:
Phone:
Fax:
Email:
☐ These samples have been Previously analyzed by Alpha

**Project Information**

Project Name:
Project Location:
Project #:
Project Manager:
ALPHA Quote #:

**Turn-Around Time**

☐ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 12/9/11 Time:

**Report Information – Data Deliverables**

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State/Fed Program Criteria

**MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS**

| | | |
|---|---|---|
| ☐ Yes | ☐ No | Are MCP Analytical Methods Required? |
| ☐ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

**ANALYSIS**

PCB w/ SOX Ext.

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | Sample Specific Comments |
|---|---|---|---|---|---|---|
| 20107. 1 | SB-5223(4-5) | 12-2 | 1153 | SOIL | JDA | |
| 1 | SB-223-MS | 12-2 | 1149 | | | MS |
| 1 | SB-223-MSD | | 1151 | | | MSD |
| 2 | SB-5224 (6-7) | | 1213 | | | |
| 2 | SB-224-MS | | 1205 | | | MS |
| 2 | SB-224-MSD | | 1207 | | | MSD |
| 3 | SB-5226 (7-8) | | 1251 | | | |
| 3 | SB-226 (5-6) MS | | 1245 | | | MS |
| 3 | SB-226-MSD (5-6) | | 1247 | | | MSD |
| 4 | SB-229-MS | | 1337 | V | V | MS |

L1120100-08
L1120100-16
L1120102-14

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | - | - | - | - | - | - | - | - | - | - | - | - |
| Preservative | - | - | - | - | - | - | - | - | - | - | - | - |

PLEASE ANSWER QUESTIONS ABOVE!

**IS YOUR PROJECT MA MCP or CT RCP?**

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 12-2-11 1500 | P. Gilbert | 12/2/11 1500 |
| HCM | 12/2/11 1545 | HCM | 12/2/11 1614 |
| HCM | 12/2/11 1740 | | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I) (rev. 20-JAN-2010)

# CHAIN OF CUSTODY

PAGE 15 OF 15

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/2/11

ALPHA Job #: L1120107

## Client Information

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com
☐ These samples have been Previously analyzed by Alpha

## Project Information

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date 12/9/11 Time:

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

## Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State/Fed Program RIDEM & EPA Criteria RIDEM METHOD 1

## MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

## ANALYSIS

PCBs with SOX Extraction — PCBs w/ SOX

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs with SOX Extraction | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 20107.4 | SB-229-MSD | 12-2-11 | 1339 | Soil | JDA | ☒ | MSD |
| 4 | SB-5229 (2-3) | 12-2-11 | 1335 | Soil | JDA | ☒ | |
| 5 | ~~SB-GPR(0-1)~~ | 12-2-11 | 1430 | Soil | JDA | ☒ | |
| | | 12-2-11 | | Soil | | ☒ | |
| | | 12-2-11 | | Soil | | ☒ | |
| | | 12-2-11 | | Soil | | ☒ | |
| | | 12-2-11 | | Soil | | ☒ | |
| | | 12-2-11 | | Soil | | ☒ | |
| | | 12-2-11 | | Soil | | ☒ | |
| | | 12-2-11 | | Soil | | ☒ | |

L1120102-36

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | G | - | - | - | - | - | - | - | - | - | - | - | |
| Preservative | - | - | - | - | - | - | - | - | - | - | - | - | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 12-2-11 1500 | P. Gilbert | 12/2/11 1500 |
| MCM | 12/2/11 1545 | MCM | 12/2/11 1610 |
| | 12/2/11 1740 | | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I) (rev. 20-JAN-2010)

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1120844 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C563-001.02 |
| Report Date: | 12/20/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120844
**Report Date:** 12/20/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1120844-01 | SB-206 (9-10) | PROVIDENCE | 12/12/11 14:20 |
| L1120844-02 | SB-208 (6-7) | PROVIDENCE | 12/12/11 13:00 |
| L1120844-03 | SB-209 (8-9) | PROVIDENCE | 12/12/11 13:20 |
| L1120844-04 | SB-210 (9-10) | PROVIDENCE | 12/12/11 13:40 |
| L1120844-05 | SB-211 (9-10) | PROVIDENCE | 12/12/11 14:00 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120844
**Report Date:** 12/20/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

Petroleum Hydrocarbons

L1120844-01, -02, -04, and the associated WG508109-3 Laboratory Duplicate have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The surrogate recovery for L1120844-01 and the associated WG508109-3 Laboratory Duplicate is below the acceptance criteria for o-Terphenyl (Both 0%) due to the dilutions required to quantitate the samples. Re-extractions were not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative

Date: 12/20/11

# ORGANICS

# PETROLEUM HYDROCARBONS

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120844
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120844-01 | D | Date Collected: | 12/12/11 14:20 |
| Client ID: | SB-206 (9-10) | | Date Received: | 12/13/11 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | | Extraction Date: | 12/14/11 13:48 |
| Analytical Date: | 12/19/11 22:36 | | | |
| Analyst: | NH | | | |
| Percent Solids: | 87% | | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Petroleum Hydrocarbon Quantitation - Westborough Lab | | | | | | |
| TPH | 19200000 | | ug/kg | 1830000 | -- | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | **0** | Q | 40-140 |

**Project Name:** MCALLISTER **Lab Number:** L1120844

**Project Number:** C563-001.02 **Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120844-02 | D | Date Collected: | 12/12/11 13:00 |
| Client ID: | SB-208 (6-7) | | Date Received: | 12/13/11 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | | Extraction Date: | 12/14/11 13:48 |
| Analytical Date: | 12/19/11 23:10 | | | |
| Analyst: | NH | | | |
| Percent Solids: | 88% | | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | | |
| TPH | 8610000 | | ug/kg | 719000 | -- | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 126 | | 40-140 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120844
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120844-03 | Date Collected: | 12/12/11 13:20 |
| Client ID: | SB-209 (8-9) | Date Received: | 12/13/11 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | Extraction Date: | 12/14/11 13:48 |
| Analytical Date: | 12/15/11 21:15 | | |
| Analyst: | NH | | |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Petroleum Hydrocarbon Quantitation - Westborough Lab | | | | | | |
| TPH | 120000 | | ug/kg | 37200 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 75 | | 40-140 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120844
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120844-04 | D | Date Collected: | 12/12/11 13:40 |
| Client ID: | SB-210 (9-10) | | Date Received: | 12/13/11 |
| Sample Location: | PROVIDENCE | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | | Extraction Date: | 12/14/11 13:48 |
| Analytical Date: | 12/19/11 23:44 | | | |
| Analyst: | NH | | | |
| Percent Solids: | 91% | | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Petroleum Hydrocarbon Quantitation - Westborough Lab | | | | | | |
| TPH | 1530000 | | ug/kg | 175000 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 92 | | 40-140 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120844
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120844-05 | Date Collected: | 12/12/11 14:00 |
| Client ID: | SB-211 (9-10) | Date Received: | 12/13/11 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8015B(M) | Extraction Date: | 12/14/11 13:48 |
| Analytical Date: | 12/15/11 20:07 | | |
| Analyst: | NH | | |
| Percent Solids: | 86% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Petroleum Hydrocarbon Quantitation - Westborough Lab** | | | | | | |
| TPH | 175000 | | ug/kg | 37500 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 76 | | 40-140 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120844
**Report Date:** 12/20/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8015B(M)
Analytical Date: 12/15/11 17:17
Analyst: NH

Extraction Method: EPA 3546
Extraction Date: 12/14/11 13:48

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-05 Batch: WG508109-1 | | | | | |
| TPH | ND | | ug/kg | 33000 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| o-Terphenyl | 80 | | 40-140 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120844
**Report Date:** 12/20/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-05 Batch: WG508109-2 | | | | | | | | |
| TPH | 72 | | - | | 40-140 | - | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| o-Terphenyl | 71 | | | | 40-140 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120844
**Report Date:** 12/20/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG508109-3 QC Sample: L1120844-01 Client ID: SB-206 (9-10) | | | | | | |
| TPH | 19200000 | 19400000 | ug/kg | 1 | | 40 |

| Surrogate | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| o-Terphenyl | **0** | Q | **0** | Q | 40-140 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120844
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120844-01
Client ID: SB-206 (9-10)
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/12/11 14:20
Date Received: 12/13/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 12/15/11 12:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120844
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120844-02
Client ID: SB-208 (6-7)
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/12/11 13:00
Date Received: 12/13/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 12/15/11 12:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120844
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120844-03
Client ID: SB-209 (8-9)
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/12/11 13:20
Date Received: 12/13/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 12/15/11 12:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120844
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120844-04
Client ID: SB-210 (9-10)
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/12/11 13:40
Date Received: 12/13/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 12/15/11 12:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120844
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120844-05
Client ID: SB-211 (9-10)
Sample Location: PROVIDENCE
Matrix: Soil

Date Collected: 12/12/11 14:00
Date Received: 12/13/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86 | | % | 0.10 | NA | 1 | - | 12/15/11 12:00 | 30,2540G | JD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120844
**Report Date:** 12/20/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG508414-1 QC Sample: L1120839-01 Client ID: DUP Sample | | | | | | |
| Solids, Total | 97 | 97 | % | 0 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120844
**Report Date:** 12/20/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Present/Intact |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1120844-01A | Amber 120ml unpreserved | A | N/A | 2.9 | Y | Absent | TS(7),TPH-DRO-D(14) |
| L1120844-02A | Amber 120ml unpreserved | A | N/A | 2.9 | Y | Absent | TS(7),TPH-DRO-D(14) |
| L1120844-03A | Amber 120ml unpreserved | A | N/A | 2.9 | Y | Absent | TS(7),TPH-DRO-D(14) |
| L1120844-04A | Amber 120ml unpreserved | A | N/A | 2.9 | Y | Absent | TS(7),TPH-DRO-D(14) |
| L1120844-05A | Amber 120ml unpreserved | A | N/A | 2.9 | Y | Absent | TS(7),TPH-DRO-D(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120844 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/20/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **NJ** | - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120844 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/20/11 |

***Data Qualifiers***

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120844 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/20/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised December 9, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.


*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 802A, 8151A, 8260B, 8270C, 8270D, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 3060A, 6010B, 6010C, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

# CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 12/13/11

ALPHA Job #: ~~L112~~ L1120844

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS Group, Inc
Address: 401 Wampanoag Trl Suite 400
Phone: 401-330-1251
Fax:
Email: jalvarez@essgroup.com

☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: McAllister
Project Location: Providence
Project #: C563-001.02
Project Manager: K. Purdy
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 12/20/11 Time:

**Report Information - Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State /Fed Program RIDEM Criteria Direct Contact

**MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO**

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

**SAMPLE HANDLING**
*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS TPH | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 20844.1 | SB-206 (9-10) | 12-12-11 | 1420 | Soil | JDA | X | | |
| 2 | SB-208 (6-7) | 12-12-11 | 1300 | Soil | JDA | X | | |
| 3 | SB-209 (8-9) | 12-12-11 | 1320 | Soil | JDA | X | | |
| 4 | SB-210 (9-10) | 12-12-11 | 1340 | Soil | JDA | X | | |
| 5 | SB-211 (9-10) | 12-12-11 | 1400 | Soil | JDA | X | | |

| | |
|---|---|
| Container Type | G |
| Preservative | N |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 12-12-11 1135 | [signature] | 12/13/11 1135 |
| [signature] | 12/13/11 1655 | [signature] | 12/13/11 1655 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
106020

**Custody Seal**

DATE 12-13-2011

SIGNATURE

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
106020

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1120859 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C563-001.02 |
| Report Date: | 12/20/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120859
**Report Date:** 12/20/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1120859-01 | SB-222 (6-7) | PROVIDENCE, RI | 12/02/11 11:38 |
| L1120859-02 | SB-222 (7-8) | PROVIDENCE, RI | 12/02/11 11:40 |
| L1120859-03 | SB-223 (6-7) | PROVIDENCE, RI | 12/02/11 11:56 |
| L1120859-04 | SB-223 (7-8) | PROVIDENCE, RI | 12/02/11 11:58 |

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120859 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/20/11 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 12/20/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120859
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120859-01 | Date Collected: | 12/02/11 11:38 |
| Client ID: | SB-222 (6-7) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:34 |
| Analytical Date: | 12/14/11 17:53 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/07/11 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.9 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.9 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120859
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120859-02 | Date Collected: | 12/02/11 11:40 |
| Client ID: | SB-222 (7-8) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:34 |
| Analytical Date: | 12/14/11 18:06 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/07/11 |
| Percent Solids: | 82% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 40.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 40.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 40.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 40.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 40.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 40.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 40.1 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 40.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 93 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120859
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120859-03 | Date Collected: | 12/02/11 11:56 |
| Client ID: | SB-223 (6-7) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:34 |
| Analytical Date: | 12/14/11 18:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/07/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 91 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120859
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120859-03 | Date Collected: | 12/02/11 11:56 |
| Client ID: | SB-223 (6-7) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:34 |
| Analytical Date: | 12/14/11 18:19 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/07/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 194 | | ug/kg | 34.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 |
| Decachlorobiphenyl | 91 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 |
| Decachlorobiphenyl | 92 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120859
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120859-04 | Date Collected: | 12/02/11 11:58 |
| Client ID: | SB-223 (7-8) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/03/11 06:34 |
| Analytical Date: | 12/14/11 18:32 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/07/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 83 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 87 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120859
**Report Date:** 12/20/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/14/11 17:13
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 12/03/11 06:34
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/07/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/07/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-04 Batch: WG507978-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.9 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 |
| Decachlorobiphenyl | 97 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 |
| Decachlorobiphenyl | 96 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120859
**Report Date:** 12/20/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG507978-2 WG507978-3 | | | | | | | | |
| Aroclor 1016 | 90 | | 90 | | 40-140 | 0 | | 50 |
| Aroclor 1260 | 100 | | 99 | | 40-140 | 1 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 88 | | 30-150 |
| Decachlorobiphenyl | 96 | | 94 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 89 | | 30-150 |
| Decachlorobiphenyl | 97 | | 93 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120859
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120859-01
Client ID: SB-222 (6-7)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:38
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91 | | % | 0.10 | NA | 1 | - | 12/16/11 11:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120859
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120859-02
Client ID: SB-222 (7-8)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:40
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | NA | 1 | - | 12/16/11 11:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120859
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120859-03
Client ID: SB-223 (6-7)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:56
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 12/16/11 11:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120859
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120859-04
Client ID: SB-223 (7-8)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 11:58
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 12/16/11 11:00 | 30,2540G | JD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120859
**Report Date:** 12/20/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG508684-1 QC Sample: L1120856-21 Client ID: DUP Sample | | | | | | |
| Solids, Total | 87 | 92 | % | 6 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120859
**Report Date:** 12/20/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1120859-01A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7) |
| L1120859-02A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7) |
| L1120859-03A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7) |
| L1120859-04A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120859 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/20/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **NJ** | - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120859 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/20/11 |

***Data Qualifiers***

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120859 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/20/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised December 9, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.


*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 802A, 8151A, 8260B, 8270C, 8270D, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 3060A, 6010B, 6010C, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

L1120859

# CHAIN OF CUSTODY

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ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/2/11

ALPHA Job #: L1120859

## Client Information

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com

☐ These samples have been Previously analyzed by Alpha

## Project Information

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 12/20/11 Time:

## Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State/Fed Program: RIDEM & EPA Criteria: RIDEM METHOD 1

## MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

## ANALYSIS

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs with SOX Extraction | PCB (already extracted) | | | | | | | | | | | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20859-1 | SB-222 (4-5) | 12-2-11 | 1134 | Soil | JDA | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| | SB-222 (5-6) | 12-2-11 | 1136 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| 20859.1 | SB-222 (6-7) | 12-2-11 | 1138 | Soil | | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | Extract & Hold |
| 2 | SB-222 (7-8) | 12-2-11 | 1140 | Soil | | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | Extract & Hold |
| | SB-223 (0-1) | 12-2-11 | 1144 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| | SB-223 (1-2) | 12-2-11 | 1146 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| | SB-223 (2-3) | 12-2-11 | 1148 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| | SB-223 (3-4) | 12-2-11 | 1150 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| | SB-223 (4-5) | 12-2-11 | 1152 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| | SB-223 (5-6) | 12-2-11 | 1154 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| | Container Type | | | | | G | - | - | - | - | - | - | - | - | - | - | - | |
| | Preservative | | | | | - | - | - | - | - | - | - | - | - | - | - | - | |

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

TOTAL # BOTTLES

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 03-01(I) (rev. 20-JAN-2010)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 12-2-11 1500 | P. Dillon | 12/2/11 1500 |
| P. Dillon | 12/2/11 1645 | | 12/2/11 1612 |
| | 12/2/11 1740 | | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

L1120859

# CHAIN OF CUSTODY

PAGE 8 OF 15

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/2/11

ALPHA Job #: [illegible] 2/13/11

## Client Information

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com

☐ These samples have been Previously analyzed by Alpha

## Project Information

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 12/20/11 Time:

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

## Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client Info PO #:

## Regulatory Requirements/Report Limits

State/Fed Program RIDEM & EPA Criteria RIDEM METHOD 1

## MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

## ANALYSIS

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs with SOX Extraction | PCB (already extracted) | | | | | | | | | | | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20859 [illegible] | SB-223 (6-7) | 12-2-11 | 1156 | Soil | JDA | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | Extract & Hold |
| [illegible] | SB-223 (7-8) | 12-2-11 | 1158 | Soil | | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | Extract & Hold |
| [illegible] | SB-224 (0-1) | 12-2-11 | 1200 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| [illegible] | SB-224(1-2) | 12-2-11 | 1202 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| [illegible] | SB-224(2-3) | 12-2-11 | 1204 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| [illegible] | SB-224(3-4) | 12-2-11 | 1206 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| [illegible] | SB-224(4-5) | 12-2-11 | 1208 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| [illegible] | SB-224(5-6) | 12-2-11 | 1210 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| [illegible] | SB-224(6-7) | 12-2-11 | 1212 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | Extract & Hold |
| [illegible] | SB-224(7-8) | 12-2-11 | 1214 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | Extract & Hold |
| | | | | | | Container Type | G | - | - | - | - | - | - | - | - | - | - | - | |
| | | | | | | Preservative | - | - | - | - | - | - | - | - | - | - | - | - | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 20-JAN-2010)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 12-2-11 1500 | P. Gilbert | 12/2/11 1500 |
| P. Gilbert | 12/2/11 1645 | [signature] | 12/2/11 1616 |
| MCM | 12/2/11 1740 | [signature] | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1120860 |
| Client: | ESS Group Incorporated<br>401 Wampanoag Trail<br>Suite 400<br>East Providence, RI 02915 |
| ATTN: | Kevin Purdy |
| Phone: | (401) 434-5560 |
| Project Name: | MCALLISTER |
| Project Number: | C563-001.02 |
| Report Date: | 12/20/11 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1120860-01 | SB-225 (6-7) | PROVIDENCE, RI | 12/02/11 12:30 |
| L1120860-02 | SB-225 (7-8) | PROVIDENCE, RI | 12/02/11 12:32 |
| L1120860-03 | SB-228 (0-1) | PROVIDENCE, RI | 12/02/11 13:14 |
| L1120860-04 | SB-228 (1-2) | PROVIDENCE, RI | 12/02/11 13:16 |
| L1120860-05 | SB-228 (2-3) | PROVIDENCE, RI | 12/02/11 13:18 |
| L1120860-06 | SB-228 (3-4) | PROVIDENCE, RI | 12/02/11 13:20 |
| L1120860-07 | SB-228 (4-5) | PROVIDENCE, RI | 12/02/11 13:22 |
| L1120860-08 | SB-228 (5-6) | PROVIDENCE, RI | 12/02/11 13:24 |
| L1120860-09 | SB-228 (6-7) | PROVIDENCE, RI | 12/02/11 13:26 |
| L1120860-10 | SB-228 (7-8) | PROVIDENCE, RI | 12/02/11 13:28 |
| L1120860-11 | SB-229 (0-1) | PROVIDENCE, RI | 12/02/11 13:32 |
| L1120860-12 | SB-229 (1-2) | PROVIDENCE, RI | 12/02/11 13:34 |
| L1120860-13 | SB-229 (2-3) | PROVIDENCE, RI | 12/02/11 13:36 |
| L1120860-14 | SB-229 (3-4) | PROVIDENCE, RI | 12/02/11 13:38 |
| L1120860-15 | SB-229 (4-5) | PROVIDENCE, RI | 12/02/11 13:40 |
| L1120860-16 | SB-229 (5-6) | PROVIDENCE, RI | 12/02/11 13:42 |
| L1120860-17 | SB-229 (6-7) | PROVIDENCE, RI | 12/02/11 13:44 |
| L1120860-18 | SB-229 (7-8) | PROVIDENCE, RI | 12/02/11 13:46 |
| L1120860-19 | SB-230 (0-1) | PROVIDENCE, RI | 12/02/11 13:50 |
| L1120860-20 | SB-230 (1-2) | PROVIDENCE, RI | 12/02/11 13:52 |
| L1120860-21 | SB-230 (2-3) | PROVIDENCE, RI | 12/02/11 13:54 |
| L1120860-22 | SB-230 (3-4) | PROVIDENCE, RI | 12/02/11 13:56 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

PCB

L1120860-03 and -20 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1120860-06, -11, and -14 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

The surrogate recoveries for L1120860-11 are outside the acceptance criteria for Decachlorobiphenyl (257%/269%); however, the sample was not re-extracted due to coelution with obvious interferences. A copy of the chromatogram is included as an attachment to this report. The results are not considered to be biased.

The surrogate recoveries for L1120860-14 are above the acceptance criteria for Decachlorobiphenyl (194%/202%). Since the sample was non-detect for all target analytes, re-analysis was not required.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 12/20/11

# ORGANICS

# PCBS

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-01 | Date Collected: | 12/02/11 12:30 |
| Client ID: | SB-225 (6-7) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 20:55 |
| Analytical Date: | 12/14/11 17:00 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/07/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.4 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.4 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 100 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 |
| Decachlorobiphenyl | 100 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-02 | Date Collected: | 12/02/11 12:32 |
| Client ID: | SB-225 (7-8) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/05/11 20:55 |
| Analytical Date: | 12/14/11 16:47 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/07/11 |
| Percent Solids: | 92% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/07/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.7 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 |
| Decachlorobiphenyl | 85 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120860-03 | D | Date Collected: | 12/02/11 13:14 |
| Client ID: | SB-228 (0-1) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/14/11 11:51 |
| Analytical Date: | 12/17/11 18:36 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 78% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 210 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 210 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 210 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 210 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 210 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 210 | -- | 5 |
| Aroclor 1268 | ND | | ug/kg | 210 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 44 | | 30-150 |
| Decachlorobiphenyl | 44 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 |
| Decachlorobiphenyl | 49 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120860-03 | D | Date Collected: | 12/02/11 13:14 |
| Client ID: | SB-228 (0-1) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/14/11 11:51 |
| Analytical Date: | 12/17/11 18:36 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 78% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1248 | 817 | | ug/kg | 210 | -- | 5 |
| Aroclor 1254 | 720 | | ug/kg | 210 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 44 | | 30-150 |
| Decachlorobiphenyl | 44 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 |
| Decachlorobiphenyl | 49 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-04 | Date Collected: | 12/02/11 13:16 |
| Client ID: | SB-228 (1-2) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:51 |
| Analytical Date: | 12/16/11 09:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1248 | 329 | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 36.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 43 | | 30-150 |
| Decachlorobiphenyl | 51 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 41 | | 30-150 |
| Decachlorobiphenyl | 48 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-04 | Date Collected: | 12/02/11 13:16 |
| Client ID: | SB-228 (1-2) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:51 |
| Analytical Date: | 12/16/11 09:34 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 404 | | ug/kg | 36.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 43 | | 30-150 |
| Decachlorobiphenyl | 51 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 41 | | 30-150 |
| Decachlorobiphenyl | 48 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-05 | Date Collected: | 12/02/11 13:18 |
| Client ID: | SB-228 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/11 19:21 |
| Analytical Date: | 12/19/11 09:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/18/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/18/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 86 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-05 | Date Collected: | 12/02/11 13:18 |
| Client ID: | SB-228 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/16/11 19:21 |
| Analytical Date: | 12/19/11 09:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/18/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/18/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 37.1 | | ug/kg | 35.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 |
| Decachlorobiphenyl | 84 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 |
| Decachlorobiphenyl | 86 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-06 | Date Collected: | 12/02/11 13:20 |
| Client ID: | SB-228 (3-4) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:51 |
| Analytical Date: | 12/16/11 09:59 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 108 | -- | 3 |
| Aroclor 1221 | ND | | ug/kg | 108 | -- | 3 |
| Aroclor 1232 | ND | | ug/kg | 108 | -- | 3 |
| Aroclor 1242 | ND | | ug/kg | 108 | -- | 3 |
| Aroclor 1248 | ND | | ug/kg | 108 | -- | 3 |
| Aroclor 1254 | ND | | ug/kg | 108 | -- | 3 |
| Aroclor 1260 | ND | | ug/kg | 108 | -- | 3 |
| Aroclor 1262 | ND | | ug/kg | 108 | -- | 3 |
| Aroclor 1268 | ND | | ug/kg | 108 | -- | 3 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 45 | | 30-150 |
| Decachlorobiphenyl | 68 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-07 | Date Collected: | 12/02/11 13:22 |
| Client ID: | SB-228 (4-5) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:51 |
| Analytical Date: | 12/16/11 10:11 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 35.5 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 35.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 |
| Decachlorobiphenyl | 63 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 |
| Decachlorobiphenyl | 67 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-08 | Date Collected: | 12/02/11 13:24 |
| Client ID: | SB-228 (5-6) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:51 |
| Analytical Date: | 12/16/11 10:23 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 |
| Decachlorobiphenyl | 58 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-11 | Date Collected: | 12/02/11 13:32 |
| Client ID: | SB-229 (0-1) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:51 |
| Analytical Date: | 12/16/11 10:36 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 82% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 120 | -- | 3 |
| Aroclor 1221 | ND | | ug/kg | 120 | -- | 3 |
| Aroclor 1232 | ND | | ug/kg | 120 | -- | 3 |
| Aroclor 1242 | ND | | ug/kg | 120 | -- | 3 |
| Aroclor 1248 | 160 | | ug/kg | 120 | -- | 3 |
| Aroclor 1260 | ND | | ug/kg | 120 | -- | 3 |
| Aroclor 1262 | ND | | ug/kg | 120 | -- | 3 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 42 | | 30-150 |
| Decachlorobiphenyl | **257** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 39 | | 30-150 |
| Decachlorobiphenyl | **269** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-11 | Date Collected: | 12/02/11 13:32 |
| Client ID: | SB-229 (0-1) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:51 |
| Analytical Date: | 12/16/11 10:36 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 82% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1254 | 218 | | ug/kg | 120 | -- | 3 |
| Aroclor 1268 | 141 | | ug/kg | 120 | -- | 3 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 42 | | 30-150 |
| Decachlorobiphenyl | **257** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 39 | | 30-150 |
| Decachlorobiphenyl | **269** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-12 | Date Collected: | 12/02/11 13:34 |
| Client ID: | SB-229 (1-2) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:51 |
| Analytical Date: | 12/16/11 10:48 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1248 | 62.2 | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 37.0 | -- | 1 |
| Aroclor 1268 | 46.3 | | ug/kg | 37.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 |
| Decachlorobiphenyl | 100 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-12 | Date Collected: | 12/02/11 13:34 |
| Client ID: | SB-229 (1-2) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:51 |
| Analytical Date: | 12/16/11 10:48 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 87% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 135 | | ug/kg | 37.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 |
| Decachlorobiphenyl | 100 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 |
| Decachlorobiphenyl | 88 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-13 | Date Collected: | 12/02/11 13:36 |
| Client ID: | SB-229 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:51 |
| Analytical Date: | 12/16/11 11:00 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1248 | 67.0 | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.7 | -- | 1 |
| Aroclor 1268 | 70.4 | | ug/kg | 36.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-13 | Date Collected: | 12/02/11 13:36 |
| Client ID: | SB-229 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:51 |
| Analytical Date: | 12/16/11 11:00 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1254 | 115 | | ug/kg | 36.7 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 |
| Decachlorobiphenyl | 70 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 30-150 |
| Decachlorobiphenyl | 62 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-14 | Date Collected: | 12/02/11 13:38 |
| Client ID: | SB-229 (3-4) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:51 |
| Analytical Date: | 12/16/11 11:13 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 119 | -- | 3 |
| Aroclor 1221 | ND | | ug/kg | 119 | -- | 3 |
| Aroclor 1232 | ND | | ug/kg | 119 | -- | 3 |
| Aroclor 1242 | ND | | ug/kg | 119 | -- | 3 |
| Aroclor 1248 | ND | | ug/kg | 119 | -- | 3 |
| Aroclor 1254 | ND | | ug/kg | 119 | -- | 3 |
| Aroclor 1260 | ND | | ug/kg | 119 | -- | 3 |
| Aroclor 1262 | ND | | ug/kg | 119 | -- | 3 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 41 | | 30-150 |
| Decachlorobiphenyl | **194** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 38 | | 30-150 |
| Decachlorobiphenyl | **202** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-14 | Date Collected: | 12/02/11 13:38 |
| Client ID: | SB-229 (3-4) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:51 |
| Analytical Date: | 12/16/11 11:13 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1268 | ND | | ug/kg | 119 | -- | 3 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 41 | | 30-150 |
| Decachlorobiphenyl | **194** | Q | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 38 | | 30-150 |
| Decachlorobiphenyl | **202** | Q | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-15 | Date Collected: | 12/02/11 13:40 |
| Client ID: | SB-229 (4-5) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:51 |
| Analytical Date: | 12/16/11 11:25 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.6 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 46 | | 30-150 |
| Decachlorobiphenyl | 45 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 42 | | 30-150 |
| Decachlorobiphenyl | 47 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-16 | Date Collected: | 12/02/11 13:42 |
| Client ID: | SB-229 (5-6) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:51 |
| Analytical Date: | 12/16/11 11:37 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 83% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 39.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 |
| Decachlorobiphenyl | 49 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 42 | | 30-150 |
| Decachlorobiphenyl | 47 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-17 | Date Collected: | 12/02/11 13:44 |
| Client ID: | SB-229 (6-7) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:54 |
| Analytical Date: | 12/16/11 11:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 82% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 38.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 38.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 42 | | 30-150 |
| Decachlorobiphenyl | 38 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 41 | | 30-150 |
| Decachlorobiphenyl | 38 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-18 | Date Collected: | 12/02/11 13:46 |
| Client ID: | SB-229 (7-8) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:54 |
| Analytical Date: | 12/16/11 12:02 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 95% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.2 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.2 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 50 | | 30-150 |
| Decachlorobiphenyl | 44 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 30-150 |
| Decachlorobiphenyl | 45 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-19 | Date Collected: | 12/02/11 13:50 |
| Client ID: | SB-230 (0-1) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:54 |
| Analytical Date: | 12/16/11 12:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.1 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 39.1 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 39.1 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 39.1 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 39.1 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 39.1 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 39.1 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 39.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 37 | | 30-150 |
| Decachlorobiphenyl | 56 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 35 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-19 | Date Collected: | 12/02/11 13:50 |
| Client ID: | SB-230 (0-1) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:54 |
| Analytical Date: | 12/16/11 12:14 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 84% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1268 | 164 | | ug/kg | 39.1 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 37 | | 30-150 |
| Decachlorobiphenyl | 56 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 35 | | 30-150 |
| Decachlorobiphenyl | 61 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1120860-20 | D | Date Collected: | 12/02/11 13:52 |
| Client ID: | SB-230 (1-2) | | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | | Extraction Date: | 12/14/11 11:54 |
| Analytical Date: | 12/17/11 18:49 | | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 83% | | Cleanup Method2: | EPA 3660B |
| | | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 196 | -- | 5 |
| Aroclor 1221 | ND | | ug/kg | 196 | -- | 5 |
| Aroclor 1232 | ND | | ug/kg | 196 | -- | 5 |
| Aroclor 1242 | ND | | ug/kg | 196 | -- | 5 |
| Aroclor 1248 | ND | | ug/kg | 196 | -- | 5 |
| Aroclor 1254 | ND | | ug/kg | 196 | -- | 5 |
| Aroclor 1260 | ND | | ug/kg | 196 | -- | 5 |
| Aroclor 1262 | ND | | ug/kg | 196 | -- | 5 |
| Aroclor 1268 | 411 | | ug/kg | 196 | -- | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 |
| Decachlorobiphenyl | 86 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 46 | | 30-150 |
| Decachlorobiphenyl | 94 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-21 | Date Collected: | 12/02/11 13:54 |
| Client ID: | SB-230 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:54 |
| Analytical Date: | 12/16/11 12:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 36.6 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 36.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 32 | | 30-150 |
| Decachlorobiphenyl | 52 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 30 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-21 | Date Collected: | 12/02/11 13:54 |
| Client ID: | SB-230 (2-3) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:54 |
| Analytical Date: | 12/16/11 12:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 90% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1268 | 117 | | ug/kg | 36.6 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 32 | | 30-150 |
| Decachlorobiphenyl | 52 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 30 | | 30-150 |
| Decachlorobiphenyl | 75 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02
**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1120860-22 | Date Collected: | 12/02/11 13:56 |
| Client ID: | SB-230 (3-4) | Date Received: | 12/02/11 |
| Sample Location: | PROVIDENCE, RI | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3540C |
| Analytical Method: | 1,8082 | Extraction Date: | 12/14/11 11:54 |
| Analytical Date: | 12/16/11 13:40 | Cleanup Method1: | EPA 3665A |
| Analyst: | KB | Cleanup Date1: | 12/16/11 |
| Percent Solids: | 93% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 12/16/11 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1221 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1232 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1242 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1248 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1254 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1260 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1262 | ND | | ug/kg | 34.8 | -- | 1 |
| Aroclor 1268 | ND | | ug/kg | 34.8 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 39 | | 30-150 |
| Decachlorobiphenyl | 35 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 38 | | 30-150 |
| Decachlorobiphenyl | 35 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/14/11 16:08
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 12/05/11 20:55
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/07/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/07/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-02 Batch: WG507966-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1221 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1232 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1242 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1248 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1254 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1260 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1262 | ND | | ug/kg | 33.3 | -- |
| Aroclor 1268 | ND | | ug/kg | 33.3 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 |
| Decachlorobiphenyl | 94 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 90 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/16/11 12:51
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 12/14/11 11:51
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/16/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/16/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 03-04,06-08,11-22 Batch: WG508008-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.9 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 |
| Decachlorobiphenyl | 57 | | 30-150 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 12/19/11 09:27
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 12/16/11 19:21
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/18/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/18/11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 05 Batch: WG508825-1 | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1221 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1232 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1242 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1248 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1254 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1260 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1262 | ND | | ug/kg | 32.9 | -- |
| Aroclor 1268 | ND | | ug/kg | 32.9 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 |
| Decachlorobiphenyl | 79 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 |
| Decachlorobiphenyl | 80 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG507966-2 WG507966-3 | | | | | | | | |
| Aroclor 1016 | 86 | | 93 | | 40-140 | 8 | | 50 |
| Aroclor 1260 | 92 | | 102 | | 40-140 | 10 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 95 | | 30-150 |
| Decachlorobiphenyl | 93 | | 98 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 96 | | 30-150 |
| Decachlorobiphenyl | 88 | | 97 | | 30-150 |

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 03-04,06-08,11-22 Batch: WG508008-2 WG508008-3 | | | | | | | | |
| Aroclor 1016 | 53 | | 50 | | 40-140 | 6 | | 50 |
| Aroclor 1260 | 48 | | 44 | | 40-140 | 9 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 55 | | 30-150 |
| Decachlorobiphenyl | 56 | | 49 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 52 | | 54 | | 30-150 |
| Decachlorobiphenyl | 57 | | 55 | | 30-150 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 05 Batch: WG508825-2 WG508825-3 | | | | | | | | |
| Aroclor 1016 | 84 | | 91 | | 40-140 | 8 | | 50 |
| Aroclor 1260 | 72 | | 76 | | 40-140 | 5 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 88 | | 30-150 |
| Decachlorobiphenyl | 81 | | 88 | | 30-150 |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 88 | | 30-150 |
| Decachlorobiphenyl | 86 | | 92 | | 30-150 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-01
Client ID: SB-225 (6-7)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:30
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-02
Client ID: SB-225 (7-8)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 12:32
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-03
Client ID: SB-228 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:14
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 78 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-04
Client ID: SB-228 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:16
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-05
Client ID: SB-228 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:18
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-06
Client ID: SB-228 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:20
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 88 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-07
Client ID: SB-228 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:22
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-08
Client ID: SB-228 (5-6)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:24
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-11
Client ID: SB-229 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:32
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-12
Client ID: SB-229 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:34
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-13
Client ID: SB-229 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:36
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-14
Client ID: SB-229 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:38
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-15
Client ID: SB-229 (4-5)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:40
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-16
Client ID: SB-229 (5-6)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:42
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-17
Client ID: SB-229 (6-7)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:44
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 82 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-18
Client ID: SB-229 (7-8)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:46
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 95 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-19
Client ID: SB-230 (0-1)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:50
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-20
Client ID: SB-230 (1-2)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:52
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 83 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-21
Client ID: SB-230 (2-3)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:54
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## SAMPLE RESULTS

Lab ID: L1120860-22
Client ID: SB-230 (3-4)
Sample Location: PROVIDENCE, RI
Matrix: Soil

Date Collected: 12/02/11 13:56
Date Received: 12/02/11
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 93 | | % | 0.10 | NA | 1 | - | 12/14/11 09:00 | 30,2540G | JD |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-08,11-22 QC Batch ID: WG507993-1 QC Sample: L1120860-08 Client ID: SB-228 (5-6) | | | | | | |
| Solids, Total | 83 | 83 | % | 0 | | 20 |

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

### Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1120860-01A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7) |
| L1120860-02A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7) |
| L1120860-03A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120860-04A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120860-05A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120860-06A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120860-07A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120860-08A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120860-09A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120860-10A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | S-EXT-8082(14) |
| L1120860-11A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120860-12A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120860-13A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120860-14A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120860-15A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120860-16A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120860-17A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120860-18A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120860-19A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120860-20A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120860-21A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |
| L1120860-22A | Amber 120ml unpreserved | A | N/A | 5.0 | Y | Absent | TS(7),PCB-8082-3540C(14) |

### Container Comments

L1120860-01A

L1120860-02A

*Values in parentheses indicate holding time in days

**Project Name:** MCALLISTER
**Project Number:** C563-001.02

**Lab Number:** L1120860
**Report Date:** 12/20/11

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|

**Container Comments**

L1120860-03A

L1120860-04A

L1120860-05A

L1120860-06A

L1120860-07A

L1120860-08A

L1120860-11A

L1120860-12A

L1120860-13A

L1120860-14A

L1120860-15A

L1120860-16A

L1120860-17A

L1120860-18A

L1120860-19A

L1120860-20A

L1120860-21A

L1120860-22A

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120860 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/20/11 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| **M** | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| **NJ** | - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120860 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/20/11 |

***Data Qualifiers***

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | MCALLISTER | **Lab Number:** | L1120860 |
| **Project Number:** | C563-001.02 | **Report Date:** | 12/20/11 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised December 9, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.


*Drinking Water Program* Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 802A, 8151A, 8260B, 8270C, 8270D, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 3060A, 6010B, 6010C, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**
**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

L1120860

# CHAIN OF CUSTODY

PAGE 9 OF 15

Date Rec'd in Lab: 12/2/11 | ALPHA Job #: ~~L1120102~~ 12/13/11 WB

ALPHA ANALYTICAL
Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

**Project Information**

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

**Client Information**

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com

☐ These samples have been Previously analyzed by Alpha

**Turn-Around Time**

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

**Report Information**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Data Deliverables**

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

*State/Fed Program* RIDEM & EPA *Criteria* RIDEM METHOD 1

**MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS**

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

**ANALYSIS**

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ~~PCBs with SOX Extraction~~ | PCB (already extracted) | | | | | | | | | | | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~20102~~ 1 | SB-225 (0-1) | 12-2-11 | 1218 | Soil | JDA | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | | |
| 2 | SB-225 (1-2) | 12-2-11 | 1220 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | | |
| 3 | SB-225 (2-3) | 12-2-11 | 1222 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | | |
| 4 | SB-225(3-4) | 12-2-11 | 1224 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | | |
| 5 | SB-225(4-5) | 12-2-11 | 1226 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | | |
| 6 | SB-225 (5-6) | 12-2-11 | 1228 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | | |
| 20860 .1 7 | SB-225 (6-7) | 12-2-11 | 1230 | Soil | | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | Extract & HOLD | |
| 2 8 | SB-225 (7-8) | 12-2-11 | 1232 | Soil | | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | Extract & HOLD | |
| 9 | SB-226 (0-1) | 12-2-11 | 1236 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | | |
| 10 | SB-226 (1-2) | 12-2-11 | 1238 | Soil | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | | |
| | | | | | Container Type | G | - | - | - | - | - | - | - | - | - | - | - | | |
| | | | | | Preservative | - | - | - | - | - | - | - | - | - | - | - | - | | |

PLEASE ANSWER QUESTIONS ABOVE!

**IS YOUR PROJECT MA MCP or CT RCP?**

FORM NO: 01-01(I) (rev. 20-JAN-2010)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 12-2-11 1500 | P. Gilbert | 12/2/11 1500 |
| P. Gilbert | 12/2/11 1545 | [signature] | 12/2/11 1616 |
| [signature] | 12/2/11 1740 | [signature] | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

15th Blood '13

L1120860

# CHAIN OF CUSTODY

PAGE 11 OF 15

Date Rec'd in Lab: 12/2/11 | ALPHA Job #: L1120860

12/13/11

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com

☐ These samples have been Previously analyzed by Alpha

**Project Information**

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

**Report Information Data Deliverables**

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State/Fed Program RIDEM & EPA | Criteria RIDEM METHOD 1

**MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS**

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS

PCBs with 3500 extraction

PCB soil ext.

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | Sample Specific Comments |
|---|---|---|---|---|---|---|
| ~~20860-1~~ | SB-227 (4-5) | 12-2-11 | 1302 | Soil | JDA | HOLD |
| ~~2~~ | SB-227 (5-6) | 12-2-11 | 1304 | Soil | | HOLD |
| ~~3~~ | SB-227 (6-7) | 12-2-11 | 1306 | Soil | | HOLD |
| ~~4~~ | SB-227 (7-8) | 12-2-11 | 1308 | Soil | | HOLD |
| 20860-3 ~~5~~ | SB-228 (0-1) | 12-2-11 | 1314 | Soil | | HOLD |
| 4 ~~6~~ | SB-228 (1-2) | 12-2-11 | 1316 | Soil | | HOLD |
| 5 ~~7~~ | SB-228 (2-3) | 12-2-11 | 1318 | Soil | | HOLD |
| 6 ~~8~~ | SB-228 (3-4) | 12-2-11 | 1320 | Soil | | HOLD |
| 7 ~~9~~ | SB-228 (4-5) | 12-2-11 | 1322 | Soil | | HOLD |
| 8 ~~10~~ | SB-228 (5-6) | 12-2-11 | 1324 | Soil | | HOLD |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | G | - | - | - | - | - | - | - | - | - | - | - |
| Preservative | - | - | - | - | - | - | - | - | - | - | - | - |

PLEASE ANSWER QUESTIONS ABOVE!

**IS YOUR PROJECT MA MCP *or* CT RCP?**

FORM NO: 01-01(I) (rev. 20-JAN-2010)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gillett | 12-2-11 1500 | P. Gillett | 12/2/11 1500 |
| [illegible] | 12/2/11 1545 | [illegible] | 12/2/11 1616 |
| [illegible] | 12/2/11 1740 | [illegible] | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

L11 20860

# CHAIN OF CUSTODY

PAGE 12 OF 15

Date Rec'd in Lab: 12/2/11

ALPHA Job #: L1120860

ALPHA Analytical

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

## Client Information

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com

☐ These samples have been Previously analyzed by Alpha

## Project Information

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

## Report Information Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

*State/Fed Program* RIDEM & EPA *Criteria* RIDEM METHOD 1

## MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

## ANALYSIS

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs with SOX Extraction | PCB | sox. ext. | Extract + Hold for PCB Soxhlet | | | | | | | | | | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 208009 [redacted] 9 | SB-228 (6-7) | 12-2-11 | 1326 | Soil | SDA | ☒ | ☐ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | HOLD |
| [redacted] 10 | SB-228 (7-8) | 12-2-11 | 1328 | Soil | | ☒ | ☐ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| [redacted] 11 | SB-229 (0-1) | 12-2-11 | 1332 | Soil | | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| [redacted] 12 | SB-229 (1-2) | 12-2-11 | 1334 | Soil | | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| [redacted] 13 | SB-229 (2-3) | 12-2-11 | 1336 | Soil | | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| [redacted] 14 | SB-229 (3-4) | 12-2-11 | 1338 | Soil | | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| [redacted] 15 | SB-229 (4-5) | 12-2-11 | 1340 | Soil | | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| [redacted] 16 | SB-229 (5-6) | 12-2-11 | 1342 | Soil | | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| [redacted] 17 | SB-229 (6-7) | 12-2-11 | 1344 | Soil | | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| [redacted] 18 | SB-229 (7-8) | 12-2-11 | 1346 | Soil | | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |
| | Container Type | | | | | G | - | - | - | - | - | - | - | - | - | - | | | |
| | Preservative | | | | | - | - | - | - | - | - | - | - | - | - | - | | | |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

FORM NO: 01-01(I) (rev. 20-JAN-2010)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 12-2-11 1500 | P. Gellert | 12/2/11 1500 |
| P. Gellert | 12/2/11 1545 | [signature] | 12/2/11 1616 |
| [signature] | 12/2/11 1740 | [signature] | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

L1120860

# CHAIN OF CUSTODY

PAGE 13 OF 15

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/2/11 ALPHA Job #: L1120860

## Client Information

Client: ESS GROUP, Inc.
Address: 401 Wampanaog Trail
East Providence, RI 02915
Phone: 401-330-1218
Fax:
Email: jalvarez@essgroup.com

☐ These samples have been Previously analyzed by Alpha

## Project Information

Project Name: McAllister
Project Location: Providence, RI
Project #: C563-001.02
Project Manager: Kevin Purdy
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

## Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State/Fed Program RIDEM & EPA Criteria RIDEM METHOD 1

## MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

| | | |
|---|---|---|
| ☐ Yes | ☒ No | Are MCP Analytical Methods Required? |
| ☒ Yes | ☐ No | Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) |
| ☐ Yes | ☐ No | Are CT RCP (Reasonable Confidence Protocols) Required? |

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

## ANALYSIS

SAMPLE HANDLING
*Filtration*
☐ Done
☐ Not Needed
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please specify below)*

TOTAL # BOTTLES

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCB sox. ext. | Sample Specific Comments |
|---|---|---|---|---|---|---|---|
| 20860-19 | SB-230 (0-1) | 12-2-11 | 1350 | Soil | JDA | ☒ | HOLD |
| 20 | SB-230 (1-2) | 12-2-11 | 1352 | Soil | | ☒ | |
| 21 | SB-230 (2-3) | 12-2-11 | 1354 | Soil | | ☒ | |
| 22 | SB-230 (3-4) | 12-2-11 | 1356 | Soil | | ☒ | |
| | SB-230 (4-5) | 12-2-11 | 1358 | Soil | | ☐ | |
| | SB-230 (5-6) | 12-2-11 | 1400 | Soil | | ☐ | |
| | SB-230 (6-7) | 12-2-11 | 1402 | Soil | | ☐ | |
| | SB-230 (7-8) | 12-2-11 | 1404 | Soil | | ☐ | |
| | | 12-2-11 | | Soil | | ☐ | |
| | | 12-2-11 | | Soil | | ☐ | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | G | - | - | - | - | - | - | - | - | - | - | - |
| Preservative | - | - | - | - | - | - | - | - | - | - | - | - |

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 20-JAN-2010)

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| P. Gilbert | 12-2-11 1600 | P. Gilbert | 12/2/11 1500 |
| YQM | 12/2/11 1545 | YQM | 12/2/11 1646 |
| | 12/2/11 1740 | | 12/2/11 1740 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

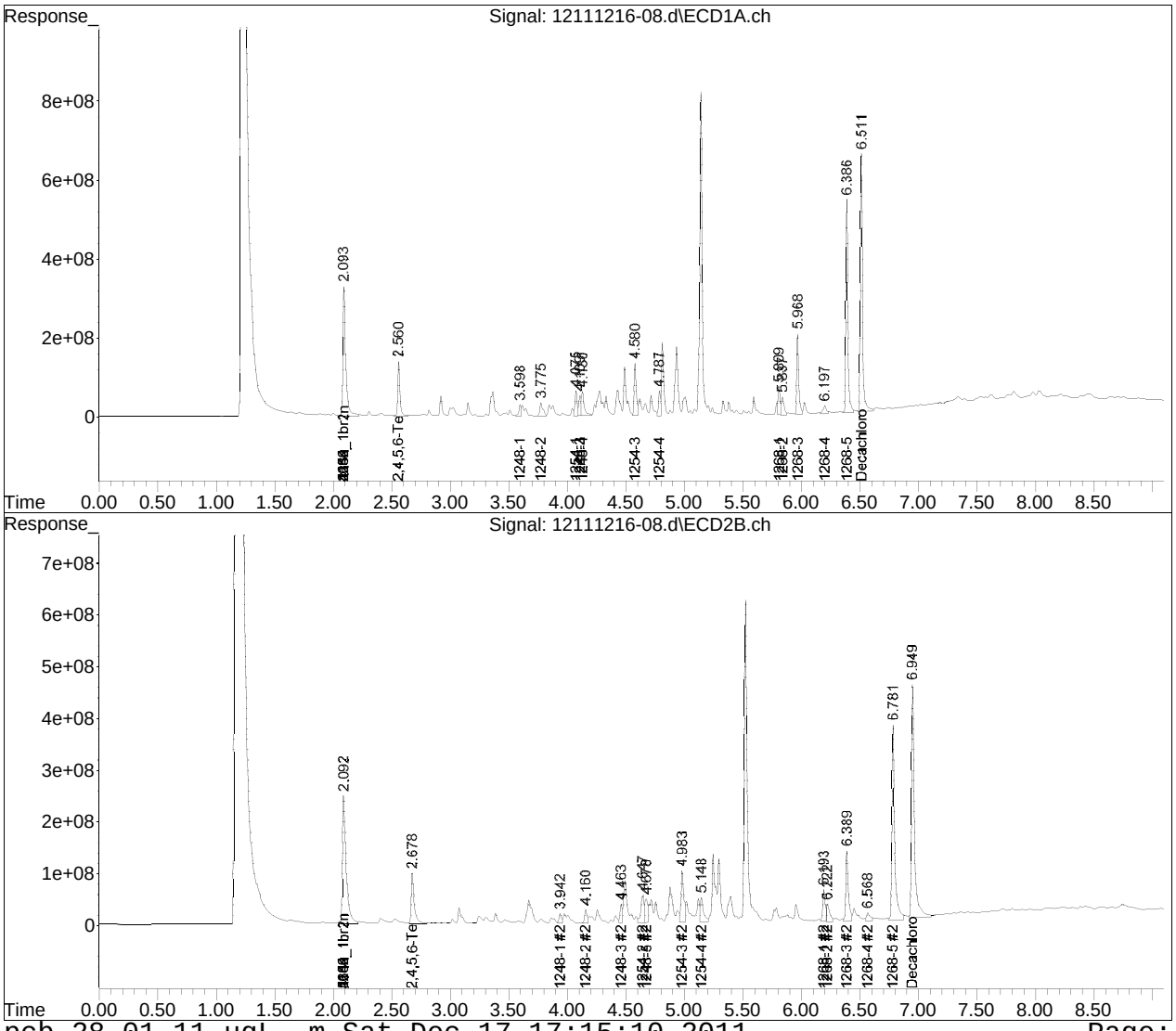
Quantitation Report (QT Reviewed)

Data Path : I:\Pest12\111216\
Data File : 12111216-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2011 10:36 am
Operator : pest12:kb
Sample : l1120860-11,42e,,fv3
Misc : wg508633,wg508008,ical5910
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 17 16:57:36 2011
Quant Method : I:\Pest12\Methods Pest12\P12_pcb 28-01-11_ugL_.m
Quant Title : pcb
QLast Update : Mon Nov 21 13:12:52 2011
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed



# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1001072 |
| Client: | Woodard & Curran<br>95 Cedar Street<br>Suite 100<br>Providence, RI 02903 |
| ATTN: | Garrett Rose |
| Project Name: | INDIA ST. |
| Project Number: | 0222610.01 |
| Report Date: | 01/28/10 |

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1001072
**Report Date:** 01/28/10

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1001072-01 | WC-5 | PROVIDENCE | 01/21/10 13:00 |
| L1001072-02 | WC-1 | PROVIDENCE | 01/21/10 14:40 |
| L1001072-03 | WC-2 | PROVIDENCE | 01/21/10 15:53 |

| | | | |
|---|---|---|---|
| **Project Name:** | INDIA ST. | **Lab Number:** | L1001072 |
| **Project Number:** | 0222610.01 | **Report Date:** | 01/28/10 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

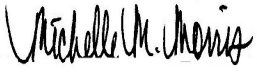
For additional information, please contact Client Services at 800-624-9220.

---

PCB

The WG398244-2/-3 LCS/LCSD RPD, associated with L1001072-01, -02 and -03, is above the acceptance criteria for Aroclor 1016 (31%); however, the individual LCS/LCSD recoveries are within method limits. The results of the associated samples are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: 

Title: Technical Director/Representative Date: 01/28/10

# ORGANICS

# PCBS

**Project Name:** INDIA ST. **Lab Number:** L1001072

**Project Number:** 0222610.01 **Report Date:** 01/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1001072-01 | Date Collected: | 01/21/10 13:00 |
| Client ID: | WC-5 | Date Received: | 01/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8082 | Extraction Date: | 01/26/10 20:50 |
| Analytical Date: | 01/28/10 05:20 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 01/27/10 |
| | | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 01/27/10 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1221 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1232 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1242 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1248 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1254 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1260 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1262 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1268 | ND | | ug/l | 0.250 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | A |
| Decachlorobiphenyl | 96 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | B |
| Decachlorobiphenyl | 77 | | 30-150 | B |

**Project Name:** INDIA ST. **Lab Number:** L1001072

**Project Number:** 0222610.01 **Report Date:** 01/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1001072-02 | Date Collected: | 01/21/10 14:40 |
| Client ID: | WC-1 | Date Received: | 01/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8082 | Extraction Date: | 01/26/10 20:50 |
| Analytical Date: | 01/28/10 05:33 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 01/27/10 |
| | | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 01/27/10 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1221 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1232 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1242 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1248 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1254 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1260 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1262 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1268 | ND | | ug/l | 0.250 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | A |
| Decachlorobiphenyl | 100 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | B |
| Decachlorobiphenyl | 78 | | 30-150 | B |

**Project Name:** INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1001072
**Report Date:** 01/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1001072-03 | Date Collected: | 01/21/10 15:53 |
| Client ID: | WC-2 | Date Received: | 01/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8082 | Extraction Date: | 01/26/10 20:50 |
| Analytical Date: | 01/28/10 05:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 01/27/10 |
| | | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 01/27/10 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| **PCB by GC - Westborough Lab** | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1221 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1232 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1242 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1254 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1260 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1262 | ND | | ug/l | 0.250 | 1 |
| Aroclor 1268 | ND | | ug/l | 0.250 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 45 | | 30-150 | A |
| Decachlorobiphenyl | 80 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 45 | | 30-150 | B |
| Decachlorobiphenyl | 61 | | 30-150 | B |

**Project Name:** INDIA ST.
**Project Number:** 0222610.01
**Lab Number:** L1001072
**Report Date:** 01/28/10

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1001072-03 | Date Collected: | 01/21/10 15:53 |
| Client ID: | WC-2 | Date Received: | 01/21/10 |
| Sample Location: | PROVIDENCE | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8082 | Extraction Date: | 01/26/10 20:50 |
| Analytical Date: | 01/28/10 05:45 | Cleanup Method1: | EPA 3665A |
| Analyst: | SH | Cleanup Date1: | 01/27/10 |
| | | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 01/27/10 |

| Parameter | Result | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| PCB by GC - Westborough Lab | | | | | |
| Aroclor 1248 | 0.533 | | ug/l | 0.250 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 45 | | 30-150 | A |
| Decachlorobiphenyl | 80 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 45 | | 30-150 | B |
| Decachlorobiphenyl | 61 | | 30-150 | B |

**Project Name:** INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1001072
**Report Date:** 01/28/10

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 01/28/10 02:43
Analyst: SH

Extraction Method: EPA 3510C
Extraction Date: 01/26/10 20:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/27/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/27/10

| Parameter | Result | Qualifier | Units | RDL |
|---|---|---|---|---|
| PCB by GC - Westborough Lab for sample(s): 01-03 Batch: WG398244-1 | | | | |
| Aroclor 1016 | ND | | ug/l | 0.250 |
| Aroclor 1221 | ND | | ug/l | 0.250 |
| Aroclor 1232 | ND | | ug/l | 0.250 |
| Aroclor 1242 | ND | | ug/l | 0.250 |
| Aroclor 1248 | ND | | ug/l | 0.250 |
| Aroclor 1254 | ND | | ug/l | 0.250 |
| Aroclor 1260 | ND | | ug/l | 0.250 |
| Aroclor 1262 | ND | | ug/l | 0.250 |
| Aroclor 1268 | ND | | ug/l | 0.250 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 | A |
| Decachlorobiphenyl | 102 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 | B |
| Decachlorobiphenyl | 79 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDIA ST.

**Project Number:** 0222610.01

**Lab Number:** L1001072

**Report Date:** 01/28/10

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| PCB by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG398244-2 WG398244-3 | | | | | | | | |
| Aroclor 1016 | 78 | | 58 | | 40-140 | **31** | Q | 30 |
| Aroclor 1260 | 121 | | 97 | | 40-140 | 22 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 50 | | 35 | | 30-150 | A |
| Decachlorobiphenyl | 105 | | 88 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 34 | | 30-150 | B |
| Decachlorobiphenyl | 81 | | 68 | | 30-150 | B |

**Project Name:** INDIA ST.
**Project Number:** 0222610.01

**Lab Number:** L1001072
**Report Date:** 01/28/10

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |

### Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis |
|---|---|---|---|---|---|---|---|
| L1001072-01A | Amber 1000ml unpreserved | A | 7 | 5.5 | Y | Absent | PCB-8082() |
| L1001072-01B | Amber 1000ml unpreserved | A | 7 | 5.5 | Y | Absent | PCB-8082() |
| L1001072-02A | Amber 1000ml unpreserved | A | 7 | 5.5 | Y | Absent | PCB-8082() |
| L1001072-02B | Amber 1000ml unpreserved | A | 7 | 5.5 | Y | Absent | PCB-8082() |
| L1001072-03A | Amber 1000ml unpreserved | A | 7 | 5.5 | Y | Absent | PCB-8082() |
| L1001072-03B | Amber 1000ml unpreserved | A | 7 | 5.5 | Y | Absent | PCB-8082() |

*Hold days indicated by values in parentheses

| | | | |
|---|---|---|---|
| **Project Name:** | INDIA ST. | **Lab Number:** | L1001072 |
| **Project Number:** | 0222610.01 | **Report Date:** | 01/28/10 |

## GLOSSARY

***Acronyms***

EPA · Environmental Protection Agency.

LCS · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD · Laboratory Control Sample Duplicate: Refer to LCS.

MS · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD · Matrix Spike Sample Duplicate: Refer to MS.

NA · Not Applicable.

NC · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

ND · Not detected at the reported detection limit for the sample.

NI · Not Ignitable.

RDL · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

***Data Qualifiers***

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | INDIA ST. | **Lab Number:** | L1001072 |
| **Project Number:** | 0222610.01 | **Report Date:** | 01/28/10 |

## REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certificate/Approval Program Summary

Last revised January 11, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health** Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
*Solid Waste/Soil* (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

**Maine Department of Human Services** Certificate/Lab ID: 2009024.
*Drinking Water* (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

**Massachusetts Department of Environmental Protection** Certificate/Lab ID: M-MA086.
*Drinking Water*
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
*Non-Potable Water*
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**New Hampshire Department of Environmental Services** Certificate/Lab ID: 200307. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

**New Jersey Department of Environmental Protection** Certificate/Lab ID: MA935. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
*Solid & Chemical Materials* (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

**New York Department of Health** Certificate/Lab ID: 11148. ***NELAP Accredited.***
*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality** Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Utah Department of Health** Certificate/Lab ID: AAMA. ***NELAP Accredited.***
*Non-Potable Water* (Inorganic Parameters: Chloride EPA 300.0)

**Department of Defense** Certificate/Lab ID: L2217.
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

**Analytes Not Accredited by NELAP**
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

# CHAIN OF CUSTODY

PAGE 1 OF 1

**Date Rec'd in Lab:** 1/21/10

**ALPHA Job #:** L1001072

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

01281012:33

## Client Information

Client: Woodard & Curran
Address: 95 Cedar St
Providence, RI 02903
Phone: 401 273 1007
Fax: 401 273.5087
Email: jrose@woodardcurran.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: India St.
Project Location: Providence
Project #: 022260.01
Project Manager: Garrett Rose
ALPHA Quote #:

## Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
Date Due: 1/27/10 Time: 4 DAYS or Sooner

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

| State /Fed Program | Criteria |
|---|---|
| | RI - GA |

## MA MCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: PCBs

**SAMPLE HANDLING**
*Filtration*
☐ Done
☐ Not needed
☐ Lab to do
*Preservation*
☐ Lab to do
(Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PCBs | Sample Specific Comments | TOTAL # BOTTLES |
|---|---|---|---|---|---|---|---|---|
| 01072 1 | WC-5 | 1/21/10 | 1300 | GW | SD | 2 | | |
| 2 | WC-1 | 1/21/10 | 1440 | GW | SD | 2 | | |
| 3 | WC-2 | 1/21/10 | 1553 | GW | SD | 2 | | |
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| | |
|---|---|
| Container Type | A |
| Preservative | A |

**PLEASE ANSWER QUESTIONS ABOVE!**

IS YOUR PROJECT MA MCP *or* CT RCP?

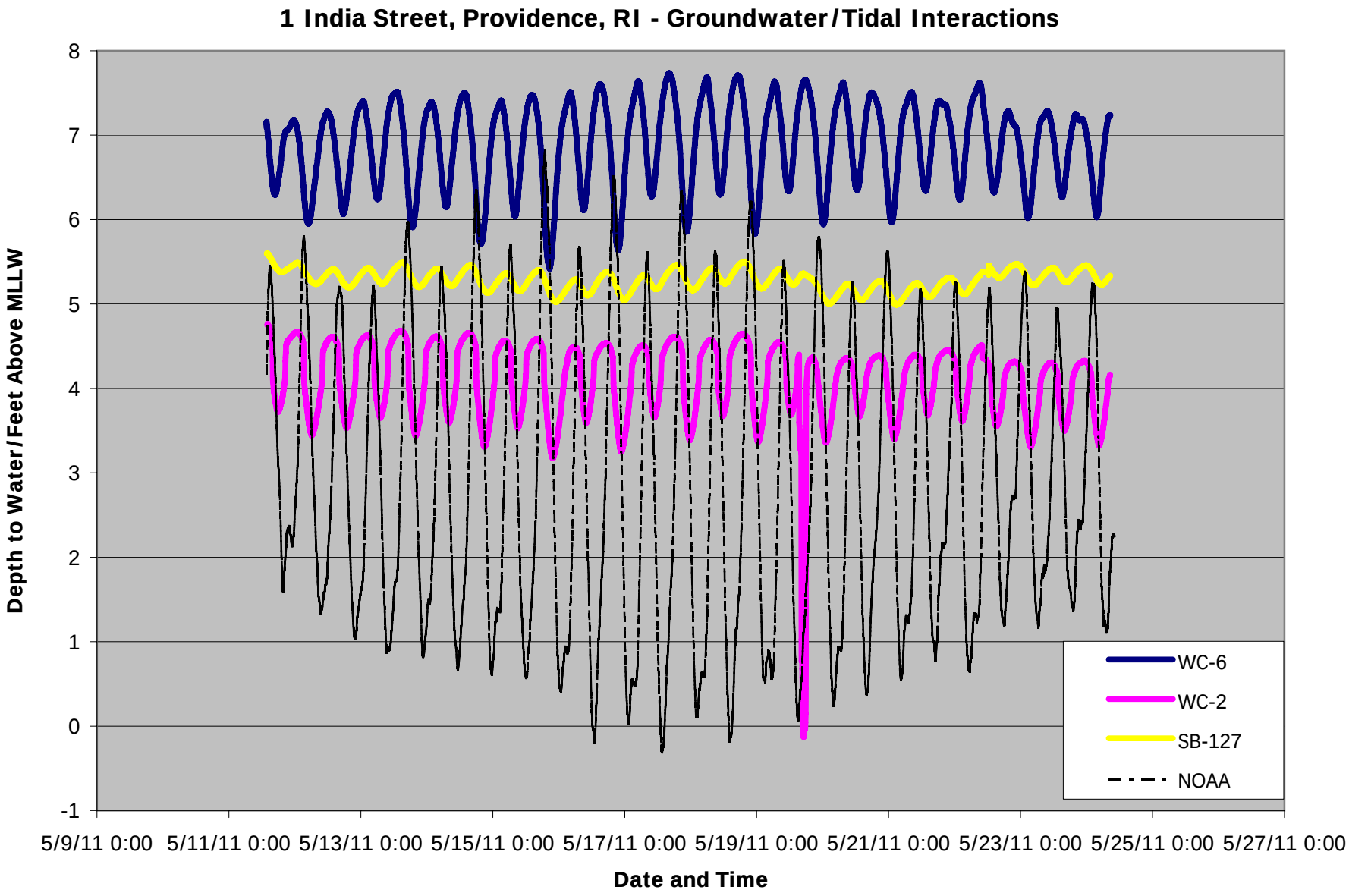
| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Paul Gillett | 1/21/10 1700 | Paul Gillett | 1/21/10 1718 |
| Paul Gillett | 1/21/10 | | 1/21/10 1800 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

# Appendix D

## Groundwater/Tidal Interactions


1 India Street, Providence, RI - Groundwater/Tidal Interactions
Depth to Water/Feet Above MLLW
8
7
6
5
4
3
2
1
0
-1
5/9/11 0:00
5/11/11 0:00
5/13/11 0:00
5/15/11 0:00
5/17/11 0:00
5/19/11 0:00
5/21/11 0:00
5/23/11 0:00
5/25/11 0:00
5/27/11 0:00
Date and Time
WC-6
WC-2
SB-127
NOAA