EPA PCB REMEDIATION COMPLETION REPORT

WORCESTER COMMON OUTLET MALL GARAGE
CITYSQUARE
WORCESTER, MASSACHUSETTS

Prepared for

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Table of Contents

Section **Page**

1.0 Introduction 1

2.0 Background 2
 2.1 Project History 2

3.0 PCB Remedation 4
 3.1 Line Stripe Remediation 4
 3.2 Caulk Remediation 8

4.0 Analytical Summary 13
 4.1 Line Stripe Remediation Confirmatory Sample Results 13
 4.2 Caulk Remediation Confirmatory Soil Sample Results 13
 4.3 Data Quality Evaluation 14

5.0 Disposition of Wastes 15

6.0 Conclusions 16

Tables

Table 1A – Garage Zone A Paint Remediation Confirmatory Sample Summary
Table 1B – Garage Zone B Paint Remediation Confirmatory Sample Summary
Table 1C – Garage Zone C Paint Remediation Confirmatory Sample Summary
Table 2A – Garage Zone A Caulk Remediation Confirmatory Sample Summary
Table 2B – Garage Zone B Caulk Remediation Confirmatory Sample Summary
Table 2C – Garage Zone C Caulk Remediation Confirmatory Sample Summary

Figures

Figure 1 – Site Locus Plan
Figure 2 – City Square Redevelopment Plan
Figure 3 – Confirmatory Paint Removal Sample Locations
 Sheet 1 of 6 – Level 1
 Sheet 2 of 6 – Level 2
 Sheet 3 of 6 – Level 3
 Sheet 4 of 6 – Level 4
 Sheet 5 of 6 – Level 5
 Sheet 6 of 6 – Level 6
Figure 4 – Confirmatory Caulk Removal Sample Locations
 Sheet 1 of 6 – Level 1
 Sheet 2 of 6 – Level 2
 Sheet 3 of 6 – Level 3
 Sheet 4 of 6 – Level 4
 Sheet 5 of 6 – Level 5
 Sheet 6 of 6 – Level 6

Appendices

Appendix A – PCB Management Plan and Subsequent Amendments

Appendix B – Laboratory Analytical Reports for Paint Confirmatory Samples (on CD)

Appendix C – Laboratory Analytical Reports for Caulk Confirmatory Samples (on CD)

Appendix D – Waste Disposal Documentation

1.0 INTRODUCTION

CitySquare II Development Co., LLC (CitySquare) retained URS Corporation (URS) to provide oversight and documentation for remediation of polychlorinated biphenyl (PCB) containing materials for areas in the parking garage associated with the former Worcester Common Outlet Mall located at 100 Front Street in Worcester, Massachusetts (the Site). Refer to Figure 1 for the location of the Site on a United States Geographic Survey (USGS) topographic quadrangle of the Worcester, Massachusetts area and Figure 2 for a pre-redevelopment Site Plan of the garage and the immediate surrounding area.

URS is providing this PCB Remediation Report documenting completion of remediation of PCB bulk product waste material in the form of parking space line striping and expansion and control joint caulk. The presence of these materials was determined through sampling of the former Worcester Commons parking garage as part of the application process for a Beneficial Use Determination (BUD) permit under the Massachusetts Department of Environmental Protection (MassDEP). Analytical data for the line stripe paint indicated the presence of greater than 50 parts per million (ppm) of PCBs. As a result, on behalf of CitySquare, URS contacted the Environmental Protection Agency (EPA) Region 1 Toxic Substance Control Act (TSCA) Coordinator, to report the analytical results. CitySquare requested self-implementation of the PCB cleanup, and a PCB Management Plan was submitted to the TSCA Coordinator on July 16, 2010 via electronic mail (e-mail).

On August 2, 2010, the TSCA Coordinator provided the *PCB Cleanup and Disposal Approval under 40 CFR §§ 761.61(a) and (c); and §761.799(h)* (the Approval); see Appendix A. The Approval included a list of conditions, which include specific confirmatory sampling frequencies, waste storage requirements, recordkeeping, and reporting conditions. Condition 19 of the Approval required submittal of this report within 60 days of completion of the PCB remediation activities. Subsequent to the Approval, the presence of PCBs at greater than 50 ppm was detected in control joint and expansion joint caulk. On October 22, 2010, on behalf of CitySquare, URS submitted an Amendment to the PCB Management Plan which included remediation of the PCB containing caulk. On November 17, 2010, the TSCA Coordinator contacted URS with questions on the Amendment requiring clarification. On November 29, 2010, URS submitted a Memorandum to the TSCA Coordinator with information in response to the questions. EPA issued a *Modification to PCB Cleanup and Disposal Workplan under 40 CFR §§ 761.61(a) and (c); and §761.799(h)* for the site on December 3, 2010. A second Amendment was submitted on April 12, 2011 which eliminated transitional crack caulk from the remediation, as analytical results for caulk sampled from these cracks indicated that PCB concentrations were below 50 milligrams per kilogram (mg/kg).

The means and methods for remediation of the PCB containing materials were outlined in contractor specific work plans, the first of which was prepared by Clean Ventures, Inc. (CVI). The CVI work plan was submitted to EPA in September 2010 and approved on October 21, 2010. The original contractor work plan was amended on November 23, 2010 and February 8, 2011 when the remediation contractor was replaced or when more efficient and cost effective means and methods of remediation were implemented.

2.0 BACKGROUND

2.1 Project History

On June 15, 2010, CitySquare purchased from Worcester Renaissance, LLC, a joint venture between Berkeley Investments and Starwood Capital Group, an approximately 11 acre site in downtown Worcester for the development of the CitySquare project. The CitySquare project is a private-public development project that involves the demolition and redevelopment of the property formerly known as the Worcester Common Outlet Mall and certain adjacent properties in downtown Worcester. CitySquare undertook Worcester Renaissance, LLC's rights as the developer of the CitySquare project under a Development Agreement with the City of Worcester. The Development Agreement set forth public improvement elements that are being constructed as part of the CitySquare project. These public improvements are being funded by municipal, state and federal funding sources which total approximately $40 million. Leggat McCall Properties, LLC was retained to act as CitySquare's construction representative and the development manager for the project. URS was retained to provide environmental consulting services in association with the project. The redevelopment included construction of a new office building containing approximately 201,000 square feet and redevelopment of an existing parking facility known as the East Garage by demolishing a portion and renovating the balance.

In an effort to minimize waste generation, and reduce construction truck traffic, the redevelopment team planned to re-use the concrete from the demolition process as backfill material within the project area. The MassDEP Solid Waste Regulations (310 CMR 19.000) allow for reuse of potential solid waste materials provided it can be demonstrated that the proposed secondary materials and uses are beneficial and pose an insignificant potential hazard to public health, safety, or the environment. CitySquare obtained a BUD permit from MassDEP on April 20, 2011, to allow the crushing and re-use the garage concrete as on-site fill.

In September 2009, URS collected nine composite paint samples from throughout the garage as part of the initial BUD application process. Results of the preliminary composite analysis of these samples indicated that one PCB, Aroclor-1248, was detected in 6 of the samples. The majority of the PCB detections were between 0.461 mg/kg (in grey paint on the platforms leading to stairwells) and 1.28 mg/kg (in white/yellow columns) with the exception of the garage floor striping which indicated Aroclor-1248 at a concentration of 147 mg/kg. This sample consisted of paint composited from the parking line stripes throughout the garage. Based on the results of the initial round of sampling, URS contacted the TSCA Coordinator in October 2009 to review the results and request input on how best to proceed with the next round of sampling and subsequent response actions. Based on those conversations with EPA, review of standard procedures and published guidance, URS returned to the Site in October 2009 to collect concrete core samples to determine if PCBs in the paint had leached into the concrete below or immediately adjacent to the paint. The data from the October 28, 2009 sampling event indicated that PCB concentrations in the concrete samples did not demonstrate that PCBs have leached from the paint into the concrete below or immediately adjacent to the stripes.

In August 2010, URS sampled caulk from throughout the garage. The samples were collected predominantly from expansion joints along the floor of the garage building, and to a lesser extent in the walls. A total of 36 discrete samples were collected. The samples were collected from each floor of the garage, in areas proposed to be demolished, as well as areas that will remain following the demolition. The results of lab analysis identified PCB concentrations in the caulk that ranged from below laboratory method detection limits to 430 ppm. Two samples contained PCB concentrations above the TSCA regulatory limit of 50 ppm. Similar follow-up

sampling of concrete adjacent to the PCB-containing caulk was performed in September 2010. Results of this sampling indicated that the PCB from the caulk has not impacted the concrete in contact with the caulk.

Refer to Appendix A for a copy of the PCB Management Plan (work plan) and subsequent Amendment(s) that were submitted to EPA which present figures that depict the paint, caulk and concrete characterization sample locations, tables summarizing the analytical results for the characterization sampling, the analytical reports for the characterization samples, and discussion of the proposed remediation methods.

3.0 PCB REMEDATION

PCB remediation within the parking garage included remediation of two different media: 1) paint (and concrete) associated with the line stripping (i.e., parking spaces, traffic directional arrows) on the concrete flooring; and 2) caulking present in expansion joints, control joints, and weigh sensor locations. These specific media were confirmed as PCB-containing materials based on initial sampling by URS prior to the remedial phase activities. Remediation of these PCB-containing media was necessary prior to the demolition of various sections of the parking garage (i.e., quadrants A, C1, and C2) and the renovation of the core section of the garage (i.e., quadrant B). Discussion of the remediation procedures used and activities associated with the PCB remediation within the parking garage are presented below. Refer to Figure 2 for a Site Plan showing the garage location and associated structures associated with the former Worcester Commons Outlet Mall prior to redevelopment activities.

3.1 Line Stripe Remediation

Pre-remediation sampling conducted by URS of the various line stripe painting within the garage prior to the remedial activities identified that the original yellow and white paints used for line striping contained PCBs at concentrations exceeding the 1 mg/kg decontamination standard established by EPA (the EPA remediation standard). These paints were historically used in the garage to establish parking spaces and traffic directional arrows on each level of the garage. In addition, initial sampling by URS also confirmed that the concrete underlying these paints was not impacted due to the leaching of PCBs from the paint into the uppermost portion of the concrete (depths of 1/8 to 1/4 inch).

City Square contracted North American Site Developers, Inc. (NASDI) for overall responsibility for the demolition and renovation of the parking garage at the Site. NASDI initially selected Clean Venture, Inc. (CVI) to provide the PCB paint and concrete remediation services. The CVI Work Plan (entitled “PCB Line Stripping Remediation Plan”, dated September 24, 2010) documented the procedures to be used in the remediation of the line stripping and impacted concrete. CVI estimated that approximately 150,000 linear feet of line stripping paint and concrete was present which required remediation. The following work sequence for the PCB line stripe remediation activities was stated in CVI’s Work Plan:

- Site isolation and protection using portable containment units (6-feet x 20-feet x 7-feet high) constructed of polyvinylchloride (PVC) framework enclosed with polyethylene sheeting: these portable units were placed over the line stripping areas targeted for remediation and occupied by CVI laborers and remediation equipment;

- Pre-remediation vacuuming: portable high efficient particular air (HEPA) vacuums were used to vacuum an remediation area prior to scarifying activities;

- Line stripping containment and removal: using electrically-operated concrete scarifiers, line stripping paint as well as underlying concrete (depths of 1/8 to 1/4 inch deep) was removed, as well as 1/2 inch of concrete on both sides of the line stripping; self-contained dust capturing equipment and filters were used inside of the containment units to collect dust, scarified paint, and pulverized concrete chips generated during the scarifying process;

- Post-remediation vacuuming: HEPA vacuums were used to vacuum the scarified areas to remove any remaining dust and particulates;

- Collection and disposal of scarified line stripping paint and concrete: waste generated during the scarifying process was collected into 55 gallon drums for off-site disposal;

- Visual inspection of work areas: visually inspect scarified areas to ensure removal of line stripping paint, dust, and concrete chips, and to verify depth requirement achieved (1/8 to 1/4 inch deep);

- Air monitoring with scarification activities in a given area; and

- Relocation of containment unit to next area targeted for PCB remediation.

On November 5, 2010, CVI initiated PCB remediation activities within the parking garage. This work was performed by CVI laborers using Level C personal protection equipment (respirator and tyvek suits). Per the EPA Approval, the parking garage was divided into four quadrants: the north end of the garage (proposed for demolition) was designated as Quadrant A; the center/core section of the garage (proposed for renovation) was designated as Quadrant B; and the south end of the garage (proposed for demolition) was designated as Quadrants C1 and C2 (see Figure 2). Paint remediation was undertaken in a series of pilot steps with interim confirmatory sampling until the correct scarifying equipment, number of passes and level of visual inspection could be identified that when combined would achieve the EPA remediation standard. CVI remediation activities were initiated on Level 1 Quadrant B, in an area of the garage facing/adjacent to Foster Street. CVI remediation activities then moved into the center section of Level 1 Quadrant B. Following completion of daily CVI activities, the area was visually inspected by a Consigli representative (the General Contractor for this project) to verify that the EPA remediation standard was being achieved.

On November 8, 2010, URS began confirmatory sampling of concrete in areas that CVI had completed and indicated were ready for confirmatory sampling. Confirmatory sampling of the remaining concrete following scarification was required to verify that the EPA remediation standard was being achieved by CVI. Per the EPA Approval, confirmatory samples were collected on a frequency of 1 sample per 25 linear feet for the first 500 feet within Quadrant B. Following completion of the first 500 linear feet, confirmatory sampling was reduced to a frequency of 1 sample per 250 linear feet. Using an electric hammer drill with ¾ inch drill bit, confirmatory samples were obtained by drilling shallow holes into the concrete which had been scarified, resulting in pulverized concrete dust which was then collected into laboratory-provided glassware. Approximately 20 shallow drill holes were necessary per sample station to achieve the volume of concrete dust required by the laboratory for the analysis. All samples were placed into a cooler with ice under Chain of Custody control and submitted to the laboratory for PCB analysis.

The following nomenclature was used by URS for sample identification, using as an example URS-1/L1B/110810 where:

- URS-1 = the sequential order of the sample, in this case sample 1;

- L1B = the garage level and quadrant, in this case Level 1 Quadrant B; and

- 110810 = the date the sample was collected, in this case November 8, 2010.

Of the nine confirmatory samples collected on November 8, 2010, analytical results indicated that two of the sample locations still exceeded the EPA remediation standard. As a result, modification of the initial pilot means and methods were implemented.

The CVI work sequence was modified by adding an additional vacuuming step prior to URS sample collection to ensure than any residual PCB dust had been removed prior to collection of confirmatory samples. URS collected additional confirmatory samples on 11/9/10, 11/10/10, 11/15/10 and 11/16/10. Samples for some locations collected on 11/9/10, 11/15/10 and 11/16/10 contained PCB concentrations that exceeded the EPA remediation standard. It was observed that in the locations that failed, CVI had not been consistently reaching the depth required for the PCB impacted line striping to be removed. This was generally due to the scarifying equipment leaving ridges and grooves while removing the paint lines. While the grooves created from the scarifying may have achieved 1/8-inch to 1/4-inch in depth, the ridges between the groves were not as deep. Consigli instructed CVI to make additional passes with the scarifying equipment to make the ridges left by the equipment were 1/8-inch to 1/4-inch below the existing surface of the concrete floor. The areas that failed were reworked by the scarifiers until the depths were consistently below 1/8-inch to 1/4-inch, and were then resampled. Following rework of the areas, the analytical results met the EPA remediation standard.

On November 21, 2010, NASDI elected to replace CVI as the primary implementer of PCB remediation operations at the Site. NASDI teamed with Dec-Tam Corporation (Dec-Tam) to continue the PCB impacted line striping remediation. Line stripe scarifying was continued within the areas currently being abated, which included Level 1 Quadrants A and B, and several ramps leading to Level 2. Due to this change in the remediation contractor, sample frequency was re-established at 1 sample per 25 feet for the first 500 feet (to evaluate contractor remediation efficiency), then 1 sample per 250 linear feet. In general, the work practices employed by CVI were adopted by Dec-Tam, with the major exception being the containment strategy. DecTam created larger containment areas (i.e., entire quadrants) by covering open areas such as windows, doorways, and garage entrances with polyethylene sheeting to containerize the work areas, essentially encapsulating the remediation areas from the outside environment. Dec-Tam used the smaller portable containment units for roof remediation areas where a proper containment (i.e., polyethylene sheeting) could not be anchored to the walls. Confirmatory samples from the areas that Dec-Tam scarified indicated that, in general, most results were below the EPA remediation standard. However, confirmatory results indicated that some samples exceeded the EPA remediation standard. In this event, these specific areas were re-vacuumed by Dec-Tam using the HEPA vacuums and re-sampled by URS. In the event that the second sample failed to be below the EPA remediation standard following re-vacuum, the area(s) were re-scarified, re-vacuumed, and re-sampled by URS. Sequential re-samples of a given area were designated with letters following the sample number, whereby the letter “A” would represent the first re-sample, the letter “B” would be a second re-sample, and so forth.

Dec-Tam continued to use the electric scarifiers originally utilized by CVI, but also brought in and tested alternate types of scarifying equipment to evaluate performance and productivity, including a scarifier mounted on a Bobcat and more powerful walk-behind scarifying machines.

On January 27, 2011, NASDI assumed full control of the line stripe remediation activities within the parking garage. NASDI employed the same remediation procedures (i.e, electric scarifiers) used by the previous contractors (CVI and Dec-Tam) as well as the containment strategies (i.e.,

full containment of individual quadrants). Confirmatory sample frequency for each quadrant was consistent with EPA-mandated requirements:

- For Quadrant A, confirmatory samples were initially collected at a frequency of 1 per 25 feet for first 300 feet, than 1 per 250 feet thereafter;
- For Quadrant B, confirmatory samples were initially collect at a frequency of 1 per 25 feet for the first 500 feet, than 1 per 250 feet thereafter;
- For Quadrant C1, confirmatory samples were initially collected at a frequency of 1 per 25 feet for the first 450 feet, than 1 per 250 feet thereafter; and
- For Quadrant C2, confirmatory samples were initially collected at a frequency of 1 per 25 feet for the first 450 feet, than 1 per 250 feet thereafter.

NASDI also employed the use of hand-held grinders which were used to “touch-up” and remove paint that was not removed by the scarifiers. Daily visual inspections were conducted by Consigli representatives to ensure that the performance standards were being achieved by NASDI. Collection and disposal of scarifying waste (paint and concrete) was accomplished either by drumming the material or collecting the material into 6 millimeter polyethylene bags which were transferred from the garage and loaded into lined dumpsters for off-site disposal.

All six levels of Quadrants A, C1, and C2 were remediated first while Quadrant B was being renovated with structural steel supports. Line stripe remediation in the garage continued through 2011 and into early 2012. Line stripe remediation of Quadrant B was continued following the structural steel renovation activities. The scarifying methods used successfully removed the PCBs in paint and concrete with the exception of one location on the first floor of the parking garage level, location URS-51. This location was scarified and the initial sample indicated a remaining PCB concentration of 18 mg/kg. The area was re-scarified and resampled three subsequent times and confirmatory samples collected after each of these three events were found to contain PCB concentrations greater than 1.0 mg/kg. URS then performed concrete coring in this area to a depth of 2 inches to help characterize the depth to which PCBs had permeated the underlying concrete. The sample core was cut into four depth intervals: 0 to 0.5 inch, 0.5 to 1.0 inch, 1.0 to 1.5 inches and 1.5 to 2 inches. Each of these core slices were analyzed for PCBs. The 1.5 to 2 inch interval was the only interval to demonstrate a PCB concentration less than the EPA remediation standard. The confirmatory paint sampling frequency in the vicinity of sample URS-51 was one sample per 25 feet and surrounding samples met the EPA remediation standard, confirming that this area was an isolated instance. This area was remediated by saw cutting and removing the entire concrete thickness over an area of approximately 1 foot wide by 10 feet long surrounding the paint line in which the URS-51 sample location (post-scarification and cores) was collected.

The final areas of line stripe remediation occurred on Level 2 of Quadrant B, where an asphalt-like traffic coating covering the concrete floor was encountered. Removal of the traffic coating material was necessary to access the paint line striping on the concrete under this material. Following removal of the traffic coating material, it was observed that a portion of the remaining yellow line stripping had adhered to the traffic coating, leaving only small areas of line stripe paint on the concrete. To evaluate whether the line stripe paint was completely removed by the traffic coating adhesion, URS collected two samples (samples URS-860 and URS-861): these sample locations were collected by using the remaining paint lines to determine where the line stripe was previously located. The analytical results for these two samples were non-detect for PCB, indicating removal of the PCB-containing paint was accomplished by removal of the traffic coating. The final scarifying of remaining paint lines was completed by NASDI on October 4, 2012.

All scarifying waste material generated during the PCB line stripe remediation was removed from the Quadrants A, C1, and C2 prior to demolition.

During the course of the line stripe remediation, URS incorporated QA/QC sampling to evaluate the laboratory performance standards. Field duplicate and matrix spike/matrix spike duplicate (MS/MSD) samples were collected on 5% of the sample population, a frequency of 1/20 samples. Field duplicate samples were identified in the sample nomenclature with the sample number followed by the suffix “DUP”: for example, the duplicate sample collected from sample location URS-286 was designated as URS-286/DUP. MS/MSD samples were identified with the same sample nomenclature as the original samples, essentially tripling the sample volume from a given location.

3.2 Caulk Remediation

Pre-remediation sampling of caulking material located in the parking garage was completed by URS prior to remedial activities to determine which caulk locations warranted remediation. Based on the caulk sample analytical results, the following areas in the garage were designated for caulk remediation:

- Expansion joints (wide joints) located in Quadrants B, C1, and C2);
- Control joints (thin, saw cut joints) located in Quadrants A, B, C1, and C2; and
- Column base joints (gap filling at column bases) located in all four quadrants.

In addition, several areas within Quadrant B of the parking garage were identified as having caulk warranting remediation:

- Perpendicular joints located near the south end of this quadrant; and
- Former weigh sensor stations located near stairwells and entrance/exit stations to the garage.

Translational joints (irregular cracks) located throughout all quadrants of the garage were filled with a material different than the regular joint caulk. The filler in the translational cracks were determined to contain non-PCB caulk and/or caulking containing PCB below EPA remediation standard based on the sampling conducted in February 2010 and March 2010. Therefore, caulk from the translational joints was not abated. In addition, caulk was not abated from various joints located on Level 6 (roof), as analysis of caulk from Level 6 locations did not indicate PCBs at concentrations exceeding the EPA remediation standard.

CitySquare contracted NASDI and Yankee Environmental Services (YES) for the overall responsibility for caulk remediation from the parking garage located at the Site.to. The NASDI Work Plan (entitled “PCB Caulking Remediation Plan”, dated January 24, 2011) documented the procedures to be used in the remediation of the caulk form the various joints and columns throughout the garage. The work procedures for the PCB caulk remediation activities was summarized in NASDI’s Work Plan, and included the following:

- Use of engineering controls and work practices to minimize airborne contamination in the work area, and to prevent the spread of such contamination outside the work area.

- Specifications regarding containment processes to prevent the release of remediation debris from the work area.
- Specifications for sufficient and proper personnel protective equipment (PPE) and respiratory protection equipment for entrance into the work space from the outside, as may be required by OSHA regulations.
- Specifications for safe work practices in the work place.
- Removal methods that minimize the amount of airborne dust generated from remediation activities.
- Specifications regarding end of work shift cleaning procedures.
- Specifications regarding the handling, storage, transport, and disposal of PCB caulking and waste.
- Specifications regarding contingency plans pertaining to accidental spills and/or contamination in the work area or outside the work area.
- Mandatory and proper use of decontamination facilities when exiting the work area.
- Directions regarding the cleaning of work areas following remediation procedures.
- Supervision of work by a competent person.

NASDI initiated caulk remediation activities in the parking garage in approximately April 2011. During the course of the caulk remediation activities, a variety of caulk removal methodologies were used by NASDI depending on the quadrant location where the work was performed. In general, the following work sequence was used with the following elements:

- Construction of personal decontamination facilities. Work areas were generally demarcated by barrier tape with attached PCB Hazard signage and 10 milimeter reinforced polyethylene drop cloths.
- Caulk was systematically removed from joints and around columns (where identified) using methods including caulk cutters, saw cutting, jack hammers, and other mechanical means. Following caulk removal, area was vacuumed using HEPA vacuums to remove dust and remaining particulate material from the remediation area. The adjacent concrete was then wiped down with a cleaning solution (Simple Green).
- Following caulk removal and cleanup of the remediation area, a visual inspection of the remediation area was conducted by Consigli personnel to evaluate the completeness of caulk removal from a given area. Confirmatory concrete samples were then collected by URS personnel from the remaining concrete adjacent to the remediation area and submitted for PCB analysis.
- Following confirmation of acceptable remediation, temporary barriers/poly/signage was removed from the work area.

- NASDI temporarily containerized the PCB-containing remediation waste material (i.e., caulk, dust, concrete) into 55-gallon drums on the first floor of Quadrant C to await transportation off-site and disposal.

Caulk remediation activities conducted by NASDI were initiated in Quadrant A on Level 5 and proceeded to lower floors (Levels 4, 3, 2, and 1). Two control joints located on column lines 42 and 46 were abated on each level. Using a concrete saw, initial saw cuts were made approximately 1 to 2 inches on both sides of the control joint. Using a Bobcat with a hydraulic hammer attachment, control joints were then hammered to effectively force the caulking and associated concrete within the saw cut area through the floor, where it was allowed to drop and collect onto poly sheeting placed on the lower floor directly under the abated floor above to containerize the demolition material. This caulk remediation methodology essentially resulted in an approximately 4 inch wide gap in the concrete floor on each of the control joints abated in this quadrant. The remediation areas were vacuumed to remove remaining dust and material, and then wiped with a cleaning solution (Simple Green).

On April 11, 2011, URS began confirmatory sampling of concrete from the sidewalls of the remaining gap in the concrete floor in areas of Quadrant A that NASDI had completed. Confirmatory sampling of the concrete sidewalls following caulk remediation was required to evaluate whether the EPA remediation standard was being achieved by NASDI. Per EPA sampling requirements for this project, confirmatory samples were collected on a frequency of 1 sample per 50 linear feet for the first 500 feet within the Quadrants planned to be demolished (Quadrants A, C1, and C2). Following completion of the first 500 linear feet, confirmatory sampling was reduced to a frequency of 1 sample per 1,000 linear feet. Using an electric hammer drill with ¾ inch drill bit, confirmatory samples were obtained by drilling shallow holes into the concrete sidewalls of the remaining gap resulting from caulk remediation, resulting in pulverized concrete dust which was then collected into laboratory-provided glassware. Due to the size of the gap (i.e., 4 inches wide), it was necessary to place polyethylene sheeting into the gap to collect the pulverized concrete and prevent it from falling to the floor below. Approximately 15 to 20 shallow drill holes were necessary per sample station to achieve the volume of concrete dust required by the laboratory for the analysis.

The following nomenclature was used by URS for sample identification using as an example URS-C001/L5A/041111 where:

- URS-C001 = the sequential order of the sample, in this case caulk sample 001;
- L5A = the garage level and quadrant where the sample was collected, in this case Level 5 Quadrant A; and
- 041111 = the date the sample was collected, in this case April 11, 2011.

Following completion of the caulk remediation activities in Quadrant A, NASDI proceeded into Quadrant B for continuation of caulk remediation. Two expansion joints located on column lines 52 and 69 were abated on each level of Quadrant B, beginning on Level 5 and proceeding to each lower level (4, 3, 2, and 1). It should be noted that remediation of caulk from control joints located in Quadrant B was completed later in the project. Remediation of caulk from these expansion joints in Quadrant B required a different removal methodology than previously used in Quadrant A due to the fact that the Quadrant B section of the garage remains intact and was not be demolished. Therefore, the Bobcat hammer method was not used as creating wide gaps

would compromise the concrete and the overall structure. NASDI utilized the following procedures for removal of the caulk from the Quadrant B expansion joints:

- Shallow saw cuts were made into the concrete on either side of the expansion joints.
- Hand-held jack hammers were then used to remove the caulk and associated concrete directly adjacent to the caulking without penetrating completely through the floor.
- Caulk and debris was removed from the expansion joint and placed into 55-gallon drums for disposal.
- Following removal of the caulk and debris, HEPA vacuums were used to remove remaining dust and debris from the joints.
- The expansion joints were then wiped down with Simple Green.

On April 19, 2011, URS began confirmatory sampling of concrete in areas of Quadrant B that NASDI had completed. Confirmatory sampling of the concrete sidewalls following caulk remediation was required to verify that the EPA remediation standard was being achieved by NASDI. Per EPA sampling requirements for this project, confirmatory samples were collected on a frequency of 1 sample per 50 linear feet for the first 500 feet within Quadrant B. Following completion of the first 500 linear feet, confirmatory sampling was reduced to a frequency of 1 sample per 500 linear feet in this quadrant.

NASDI continued caulk remediation activities in Quadrants C1 and C2 using the same removal methodology used in Quadrant A (Bobcat hammer attachment). Thirteen control/expansion joints containing PCB caulk were identified in these quadrants on the following column lines: 83, 87, 91, 95, 99, 102, 106, 108, 112, 116, 120, 124, and 127. Following caulk remediation from these joints, confirmatory samples were collected by URS on a sample frequency of 1 sample per 50 linear feet for the first 500 linear feet, than 1 sample per 1,000 linear feet thereafter for both Quadrants C1 and C2, respectively. Samples were collected using the sample methods previously used (i.e., hammer drill).

Caulk remediation activities were continued in Quadrant B by YES, a division of NASDI beginning in October 2011 and lasting until February 2012. Eight control joints with PCB-containing caulk were identified for remediation on the following column lines on each level: 50, 51, 55, 59, 63, 67, 73, and 78. Control joints located on Level 6 (roof) were not required to be abated as previous testing of caulk present on Level 6 did not indicate PCBs at concentrations above the EPA remediation standard. In addition to the specified control joints, remediation of PCB-containing caulk was conducted in these locations: perpendicular joints located near the north end of Quadrant B and various weigh sensor stations located on each level. The weigh sensor stations were located near the former vehicle entranceway into the garage on Level 2, as well as near the stairwell entrances on each level. Caulk removal methods utilized by YES were slightly different as it was necessary to maintain the integrity of the concrete floor in conjunction with refurbishing of this portion of the garage. The following procedures were used by YES in Quadrant B:

- Portable containment units (approximately 15 feet x 5 feet) were placed over the caulk line to encapsulate the remediation activities, containerizing dust and debris inside the limited work area.

- Hand-held electric caulk cutters were then used remove the caulk from the joints. Cuts were made on either side of the caulk, allowing removal of the caulk by hand.

- Hand-held electric grinders were then used to grind the remaining concrete sidewalls and bottoms to remove remaining caulking present (if any).

- HEPA vacuums were then used to vacuum the joints to remove remaining debris.

- Joints were then wiped with Simple Green.

- All waste generated was placed into 55-gallon drums for off-site disposal.

As the removal methodology used by YES was different from previous methods used, it was necessary to evaluate the effectiveness of this procedure in maintaining the EPA remediation standard. A pilot test of the YES methodology was conducted on October 21, 2011 on a control joint located on column line 59 of Level 3. Following YES remediation of caulk from this control joint, 3 confirmatory samples (designated URS-C053, URS-C054, and URS-C055) were collected by URS and submitted for analytical testing for PCBs. Results did not indicate exceedances of the EPA remediation standard and, therefore indicated the YES remediation procedure was effective and could be utilized. Caulk remediation by YES was then initiated on Level 5 and continued to the lower floors of the garage. Confirmatory samples following caulk removal were collected by URS on a frequency of 1 sample per 500 linear feet. Two of these samples were found to be above the EPA remediation standard. These areas were then re-cleaned by YES, and re-sampled by URS and these samples were found to be below the EPA remediation standard. Sample designation of a re-sample was as follows, using sample URS-C059A-L3B/021112 as an example where:

- URS-C059A= sample location C059, with “A” indicating the first re-sample of the location.

- L3B= the floor level (3) and quadrant (B) where the sample was collected.

- 021112= the date the sample was collected, in this case February 11, 2012.

During the course of the caulk remediation, URS incorporated QA/QC sampling to evaluate the laboratory performance standards. Field duplicate and matrix spike/matrix spike duplicate (MS/MSD) samples were collected on 5% of the sample population, a frequency of 1/20 samples. Field duplicate samples were identified in the sample nomenclature with the sample number followed by the suffix “DUP”: for example, the duplicate sample collected from sample location URS-C039 was designated as URS-C039/DUP. Sample locations where MS/MSD samples were collected were identified with the same sample nomenclature as the original samples, essentially tripling the sample volume from a given location.

4.0 ANALYTICAL SUMMARY

4.1 Line Stripe Remediation Confirmatory Sample Results

A total of 865 confirmatory samples were collected by URS during the course of line stripe remediation activities of the parking garage. It is estimated that a total of approximately 180,000 linear feet of line striping was abated during the course of this project. Confirmatory sampling results are presented on Tables 1A through 1C. Per the scope of this project, Quadrants A, C1, and C2 of the parking garage were demolished following PCB line stripe remediation, leaving Quadrant B as the only portion of the garage remaining. Refer to Figure 3, Sheets 1 through 6 for the confirmatory paint remediation sample locations for Quadrant B of the garage.

Confirmatory samples were collected at a total of 109 locations within Section A of the garage. Of those 109 locations, five locations required re-work after the initial remediation method was utilized to remove the painting. Of these nine locations, only one location required more than one rework.

Confirmatory samples were collected at a total of 319 locations within Section B of the garage. Of those locations, 17 required re-work after the initial remediation and four locations required rework twice.

Confirmatory samples were collected at a total of 437 locations within Section C of the garage. Of those locations, 27 required re-work after the initial remediation and one location required rework twice.

Refer to Appendix B for copies of the complete analytical reports.

4.2 Caulk Remediation Confirmatory Soil Sample Results

A total of 73 confirmatory samples were collected by URS during the course of caulk expansion and control joint remediation. It is estimated that a total of approximately 11,000 linear feet of expansion joint and control joint caulk required remediation from Sections A, B, C1 and C2 of the garage. Confirmatory sampling results for the caulk remediation are presented on Tables 2A through 2C. Per the scope of this project, Quadrants A, C1 and C2 of the parking garage were demolished following PCB caulk remediation, leaving Quadrant B as the only portion of the garage remaining. Refer to Figure 4, Sheets 1 through 6 for the confirmatory caulk remediation sample locations for Quadrant B of the garage.

A total of 14, 31 and 28 caulk remediation confirmatory samples were collected from Sections A, B, and C of the garage, respectively. Only two confirmatory caulk samples were reported to contain PCB concentrations above laboratory detection limits. Both of these samples were collected in Quadrant B of the garage. Sample URC-C069 contained 8.8 mg/Kg of PCBs. This location was reworked and resampled. The second sample at this location was reported as below laboratory detection limits. Sample URS-C070 contained a reported PCB concentration of 0.14 mg/Kg, below the EPA remediation standard. All other confirmatory caulk removal samples were reported as below laboratory detection limits.

Refer to Appendix C for copies of the complete analytical reports.

4.3 Data Quality Evaluation

The Quality Assurance Plan (QAP) and Sampling Analysis Plan (SAP) for this project were written for the original BUD sampling work in the garage, but were included in PCB Management Plan and the have been utilized for the confirmatory sampling program associated with the remediation.

A review of data for both the paint and caulk remediation confirmatory sample results indicates that field duplicates and MS/MSDs were collected at the specified rate. In addition, the correct sample containers were provided by the laboratory for use in collection of the samples. Chain of custody was maintained for samples throughout the process. Upon receipt at the laboratory, sample temperature was measured and checked against the chain of custody. If any questions arose when logging in-samples, the laboratory contacted URS immediately. A total of 865 confirmatory paint remediation samples and 67 confirmatory caulk remediation samples were submitted to the laboratory and analyzed for the requested parameter. All requested samples were analyzed and as such, the data is considered complete.

Presumptive Certainty (under the Massachusetts Contingency Plan [MCP] and Compendium of Analytical Methods [CAM]) was requested. The Massachusetts Department of Environmental Protection MCP Analytical Method Report Certification Form for each data set was reviewed. If applicable questions were answered in the negative, further review of laboratory quality control reporting was performed.

Of the 75 analytical reports for paint confirmatory samples, 28 reports (37%) contained affirmative answers for all of the Presumptive Certainty required questions and of the 18 analytical reports for caulk confirmatory samples, 16 (89%) contained affirmative answers for all of the Presumptive Certainty required questions.

In general, the most prevalent issue was with meeting MS/MSD recoveries was the result of the presence of other Aroclors in the sample. In two samples, laboratory control sample (LCS) or laboratory control sample duplicate (LSCD) recoveries did not meet quality control criteria, and in two other samples one or more surrogate recoveries were below or above the quality control criteria. Other reported issues include the presence of two incompletely resolved Aroclors, in which case the Aroclor with the closest matching pattern was assigned. These issues are not cause to reject the data and therefore, the data meets the data quality objectives specified in the QAP.

Relative percent difference (RPD) was calculated for duplicate pairs where both the sample and the duplicate sample were reported to be above laboratory reporting limits. With the exception of three pairs, RPDs were below 40%. The RPDs above 40% included 42%, 46% and 112%. The elevated RPDs are anticipated to be representative of the variability of the sample matrix. In addition, overall reported concentrations in these samples were generally low, which results in a higher overall RPD for smaller differences in analytical values. The sample sets associated with these three elevated sample/duplicate pairs are believed to meet the data quality objectives.

Sample collection methodologies employed for confirmatory sampling were based on regular interval sampling without bias. Sufficient samples were collected for each type of material and within each quadrant. The samples are considered sufficiently representative of the post-remediation concrete.

5.0 DISPOSITION OF WASTES

The paint remediation waste was originally collected in 55-gallon drums at the locations where it was generated and the drums were moved to a storage area for off-site shipment and disposal. Subsequently the waste management method was changed to utilize lined roll-off containers for PCB waste disposal. Both the PCB paint wastes and the PCB caulk wastes were collected in sealed double polyethylene bags as it was generatedand the bags were placed in the lined roll off containers.

A Hazardous Waste Generator identification number was issued to City Square II Development LLC, 100 Front Street, Worcester, Massachusetts by MassDEP on December 30, 2010. A total of 315,714 kg of PCB bulk product waste was disposed as summarized below. Copies of the disposal documents are included in Appendix D.

Date of Disposal	Manifest Number	Weight (kg)
4/29/2011	6377561	8,681
4/29/2011	6377525	9,851
5/3/2011	6377558	8,826
5/5/2011	6377557	8,618
5/10/2011	6377555	6,949
5/10/2011	6377559	8,817
5/12/2011	6377556	11,385
5/13/2011	6377560	10,832
5/15/2011	6377553	12,727
5/19/2011	6377552	10,058
5/24/2011	6377554	12,256
6/1/2011	6377549	9,961
6/1/2011	6377548	9,989
6/9/2011	6377547	14,987
6/9/2011	6377551	13,692
6/10/2011	6377535	12,075
6/14/2011	6377533	14,987
6/15/2011	6377534	13,136
6/15/2011	6377536	10,315
6/16/2011	6377550	13,082
6/17/2011	6377543	11,694
6/17/2011	6377544	13,608
6/21/2011	6377537	13,490
6/23/2011	6377546	14,433
6/29/2011	6377545	11,639
9/30/2011	6377538	10,070
1/4/2012	1670774	3,856
2/23/2012	1670775	Est. 15,500
10/22/2012	10254457	Est. 200
	Total Weight:	**315,714**

6.0 CONCLUSIONS

Bulk product PCB caulk and paint were successfully removed from the CitySquare garage along with sufficient adjacent concrete to consistently meet the EPA remediation standard of 1 mg/kg. The Former Worcester Commons Outlet Garage PCB remediation was conducted in accordance with the EPA Approvals issued on August 2, 2010 and December 3, 2010.

TABLES

Table 1A
Garage Zone A Paint Remediation Confirmatory Sample Summary
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

LOCATION	SAMPLING DATE	Lab Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-64/LIA/111910	19-Nov-10	10K0700-17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-65/LIA/111910	19-Nov-10	10K0700-01	ND	ND	ND	ND	0.75	ND	ND	ND	ND	**0.75**
URS-66/LIA/111910	19-Nov-10	10K0700-02	ND	ND	ND	ND	0.3	ND	ND	ND	ND	**0.3**
URS-67/LIA/111910	19-Nov-10	10K0700-03	ND	ND	ND	ND	**1.8**	ND	ND	ND	ND	**1.8**
URS-67A/LIB/112910	29-Nov-10	10K0858-13	ND	ND	ND	ND	0.73	ND	ND	ND	ND	**0.73**
URS-68/LIA/111910	19-Nov-10	10K0700-04	ND	ND	ND	ND	0.34	ND	ND	ND	ND	**0.34**
URS-69/LIA/111910	19-Nov-10	10K0700-05	ND	ND	ND	ND	0.16	ND	ND	ND	ND	**0.16**
URS-70/LIA/111910	19-Nov-10	10K0700-06	ND	ND	ND	ND	0.18	ND	ND	ND	ND	**0.18**
URS-71/LIA/111910	19-Nov-10	10K0700-07	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-72/LIA/111910	19-Nov-10	10K0700-08	ND	ND	ND	ND	0.64	ND	ND	ND	ND	**0.64**
URS-73/LIA/111910	19-Nov-10	10K0700-09	ND	ND	ND	ND	0.61	ND	ND	ND	ND	**0.61**
URS-74/LIA/111910	19-Nov-10	10K0700-10	ND	ND	ND	ND	0.16	ND	ND	ND	ND	**0.16**
URS-75/LIA/111910	19-Nov-10	10K0700-11	ND	ND	ND	ND	0.15	ND	ND	ND	ND	**0.15**
URS-76/LIA/111910	19-Nov-10	10K0700-12	ND	ND	ND	ND	0.22	ND	ND	ND	ND	**0.22**
URS-76/DUP	19-Nov-10	10K0700-13	ND	ND	ND	ND	0.19	ND	ND	ND	ND	**0.19**
URS-77/LIA/111910	19-Nov-10	10K0700-14	ND	ND	ND	ND	0.29	ND	ND	ND	ND	**0.29**
URS-78/LIA/111910	19-Nov-10	10K0700-15	ND	ND	ND	ND	0.64	ND	ND	ND	ND	**0.64**
URS-79/LIA/111910	19-Nov-10	10K0700-16	ND	ND	ND	ND	0.41	ND	ND	ND	ND	**0.41**
URS-80-L1A/112210	22-Nov-10	10K0745-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-81-L1A/112210	22-Nov-10	10K0745-02	ND	ND	ND	ND	0.15	ND	ND	ND	ND	**0.15**
URS-82-L1A/112210	22-Nov-10	10K0745-03	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-83-L1A/112210	22-Nov-10	10K0745-04	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-84-L1A/112210	22-Nov-10	10K0745-05	ND	ND	ND	ND	0.1	ND	ND	ND	ND	**0.1**
URS-85-L1A/112210	22-Nov-10	10K0745-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-86-L1A/112210	22-Nov-10	10K0745-07	ND	ND	ND	ND	0.22	ND	ND	ND	ND	**0.22**
URS-87-L1A/112210	22-Nov-10	10K0745-08	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-88-L1A/112210	22-Nov-10	10K0745-09	ND	ND	ND	ND	0.23	ND	0.66	ND	ND	**0.89**
URS-200/L5A/010311	03-Jan-11	11A0028-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-201/L5A/010311	03-Jan-11	11A0028-02	ND	ND	ND	ND	0.16	ND	ND	ND	ND	**0.16**
URS-202/L5A/010311	03-Jan-11	11A0028-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-203/L5A/010311	03-Jan-11	11A0028-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1A
Garage Zone A Paint Remediation Confirmatory Sample Summary
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

LOCATION	*SAMPLING DATE*	*Lab Sample ID*	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-204/L5A/010311	03-Jan-11	11A0028-03	ND	ND	ND	ND	0.21	ND	ND	ND	ND	**0.21**
URS-205/L5A/010311	03-Jan-11	11A0028-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-205/DUP	03-Jan-11	11A0028-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-206/L5A/010311	03-Jan-11	11A0028-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-207/L5A/010311	03-Jan-11	11A0028-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-208/L5A/010311	03-Jan-11	11A0028-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-209/L5A/010311	03-Jan-11	11A0028-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-210/L5A/010311	03-Jan-11	11A0028-13	ND	ND	ND	ND	0.099	ND	ND	ND	ND	**0.099**
URS-211/L5A/010311	03-Jan-11	11A0028-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-212/L5A/010311	03-Jan-11	11A0028-14	ND	ND	ND	ND	0.19	ND	ND	ND	ND	**0.19**
URS-213/L5A/010311	03-Jan-11	11A0028-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-214/L5A/010311	03-Jan-11	11A0028-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-215/L5A/010311	03-Jan-11	11A0028-17	ND	ND	ND	ND	0.24	ND	ND	ND	ND	**0.24**
URS-216/L5A/010411	04-Jan-11	11A0058-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-217/L5A/010411	04-Jan-11	11A0058-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-218/L5A/010411	04-Jan-11	11A0058-03	ND	ND	ND	ND	0.42	ND	ND	ND	ND	**0.42**
URS-219/L5A/010411	04-Jan-11	11A0058-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-220/L5A/010411	04-Jan-11	11A0058-05	ND	ND	ND	ND	ND	**2.6**	ND	ND	ND	**2.6**
URS-220A/L5A/011111	11-Jan-11	11A0211-14	ND	ND	ND	ND	ND	**2.4**	ND	ND	ND	**2.4**
URS-220B/L5A/011811	18-Jan-11	11A0374-18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-221/L5A/010411	04-Jan-11	11A0058-06	ND	ND	ND	ND	0.58	ND	ND	ND	ND	**0.58**
URS-222/L5A/010411	04-Jan-11	11A0058-07	ND	ND	ND	ND	0.41	ND	ND	ND	ND	**0.41**
URS-223/L6A/011111	11-Jan-11	11A0211-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-224/L6A/011111	11-Jan-11	11A0211-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-225/DUP	11-Jan-11	11A0211-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-225/L6A/011111	11-Jan-11	11A0211-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-226/L6A/011111	11-Jan-11	11A0211-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-227/L6A/011111	11-Jan-11	11A0211-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-228/L6A/011111	11-Jan-11	11A0211-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-229/L6A/011111	11-Jan-11	11A0211-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-230/L6A/011111	11-Jan-11	11A0211-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1A
Garage Zone A Paint Remediation Confirmatory Sample Summary
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

LOCATION	*SAMPLING DATE*	*Lab Sample ID*	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-231/L6A/011111	11-Jan-11	11A0211-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-232/L6A/011111	11-Jan-11	11A0211-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-233/L6A/011111	11-Jan-11	11A0211-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-234/L6A/011111	11-Jan-11	11A0211-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-235/L4A/011411	14-Jan-11	11A0296-01	ND	ND	ND	ND	0.26	ND	ND	ND	ND	**0.26**
URS-236/L4A/011411	14-Jan-11	11A0296-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-237/L4A/011411	14-Jan-11	11A0296-03	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-238/L4A/011411	14-Jan-11	11A0296-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-239/L4A/011411	14-Jan-11	11A0296-05	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-240/L4A/011411	14-Jan-11	11A0296-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-241/L4A/011411	14-Jan-11	11A0296-07	ND	ND	ND	ND	0.13	ND	ND	ND	ND	**0.13**
URS-242/L4A/011411	14-Jan-11	11A0296-08	ND	ND	ND	ND	0.1	ND	ND	ND	ND	**0.1**
URS-243/L4A/011411	14-Jan-11	11A0296-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-244/L4A/011411	14-Jan-11	11A0296-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-245/L4A/011411	14-Jan-11	11A0296-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-245/DUP	14-Jan-11	11A0296-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-246/L4A/011411	14-Jan-11	11A0296-13	ND	ND	ND	ND	0.13	ND	ND	ND	ND	**0.13**
URS-247/L4A/011411	14-Jan-11	11A0296-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-248/L4A/011411	14-Jan-11	11A0296-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-249/L4A/011711	17-Jan-11	11A0333-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-250/L4A/011711	17-Jan-11	11A0333-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-251/L4A/011711	17-Jan-11	11A0333-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-252/L4A/011711	17-Jan-11	11A0333-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-253/L4A/011711	17-Jan-11	11A0333-05	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-254/L4A/011711	17-Jan-11	11A0333-06	ND	ND	ND	ND	0.2	ND	ND	ND	ND	**0.2**
URS-255/L4A/011711	17-Jan-11	11A0333-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-256/L4A/011711	17-Jan-11	11A0333-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-257/L4A/011711	17-Jan-11	11A0333-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-258/L4A/011711	17-Jan-11	11A0333-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-259/L3A/011711	17-Jan-11	11A0333-11	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-260/L3A/011711	17-Jan-11	11A0333-12	ND	ND	ND	ND	0.67	ND	ND	ND	ND	**0.67**

Table 1A
Garage Zone A Paint Remediation Confirmatory Sample Summary
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

LOCATION	*SAMPLING DATE*	*Lab Sample ID*	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-261/L3A/011711	17-Jan-11	11A0333-13	ND	ND	ND	ND	0.23	ND	ND	ND	ND	**0.23**
URS-262/L3A/011711	17-Jan-11	11A0333-14	ND	ND	ND	ND	0.18	ND	ND	ND	ND	**0.18**
URS-263/L3A/011711	17-Jan-11	11A0333-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-264/L3A/011811	18-Jan-11	11A0374-01	ND	ND	ND	ND	0.41	ND	ND	ND	ND	**0.41**
URS-265/L3A/011811	18-Jan-11	11A0374-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-265/DUP	18-Jan-11	11A0374-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-266/L3A/011811	18-Jan-11	11A0374-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-267/L3A/011811	18-Jan-11	11A0374-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-268/L3A/011811	18-Jan-11	11A0374-06	ND	ND	ND	ND	**3**	ND	ND	ND	ND	**3**
URS-268A/L3A/012611	26-Jan-11	11A0558-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-269/L3A/011811	18-Jan-11	11A0374-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-270/L3A/011811	18-Jan-11	11A0374-08	ND	ND	ND	ND	0.67	ND	ND	ND	ND	**0.67**
URS-271/L3A/011811	18-Jan-11	11A0374-09	ND	ND	ND	ND	0.31	ND	ND	ND	ND	**0.31**
URS-272/L3A/011811	18-Jan-11	11A0374-10	ND	ND	ND	ND	0.097	ND	ND	ND	ND	**0.097**
URS-273/L3A/011811	18-Jan-11	11A0374-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-274/L3A/011811	18-Jan-11	11A0374-12	ND	ND	ND	ND	0.93	0.33	ND	ND	ND	**1.26**
URS-274A/L3A/012611	26-Jan-11	11A0558-01	ND	ND	ND	ND	0.76	ND	ND	ND	ND	**0.76**
URS-275/L3A/011811	18-Jan-11	11A0374-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-276/L3A/011811	18-Jan-11	11A0374-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-277/L3A/011811	18-Jan-11	11A0374-15	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-278/L3A/011811	18-Jan-11	11A0374-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-279/L3A/011811	18-Jan-11	11A0374-17	ND	ND	ND	ND	0.36	0.2	ND	ND	ND	**0.56**
URS-280/L2A/012011	20-Jan-11	11A0423-01	ND	ND	ND	ND	0.16	ND	ND	ND	ND	**0.16**
URS-281/L2A/012011	20-Jan-11	11A0423-02	ND	ND	ND	ND	**1.1**	ND	ND	ND	ND	**1.1**
URS-281A/L2A/012611	26-Jan-11	11A0558-03	ND	ND	ND	ND	0.35	ND	ND	ND	ND	**0.35**
URS-282/L2A/012011	20-Jan-11	11A0423-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-283/L2A/012011	20-Jan-11	11A0423-04	ND	ND	ND	ND	0.096	ND	ND	ND	ND	**0.096**

Units are in mg/kg

Exceeds 1 mg/kg

Table 1B
Garage Zone B Paint Remediation Confirmatory Sample Summary
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

Former Worcester Commons Outlet Mall Garage	*SAMPLING DATE*	*Lab Sample ID*	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-1/L1B/110810	8-Nov-10	L1017725-01	ND	ND	ND	ND	**1.49**	ND	ND	ND	ND	**1.49**
URS-1A/L1B/111510	15-Nov-10	L1018221-01	ND	ND	ND	ND	0.786	ND	ND	ND	ND	**0.786**
URS-2/L1B/110810	8-Nov-10	L1017725-02	ND	ND	ND	ND	0.288	ND	ND	ND	ND	**0.288**
URS-3/L1B/110810	8-Nov-10	L1017725-03	ND	ND	ND	ND	0.994	ND	ND	ND	ND	**0.994**
URS-4/L1B/110810	8-Nov-10	L1017725-04	ND	ND	ND	ND	0.546	ND	ND	ND	ND	**0.546**
URS-5/L1B/110810	8-Nov-10	L1017725-05	ND	ND	ND	ND	0.813	ND	ND	ND	ND	**0.813**
URS-6/L1B/110810	8-Nov-10	L1017725-06	ND	ND	ND	ND	0.201	ND	ND	ND	ND	**0.201**
URS-7/L1B/110810	8-Nov-10	L1017725-07	ND	ND	ND	ND	0.405	ND	ND	ND	ND	**0.405**
URS-8/L1B/110810	8-Nov-10	L1017725-08	ND	ND	ND	ND	**6.07**	ND	ND	ND	ND	**6.07**
URS-8A/L1B/111510	15-Nov-10	L1018221-02	ND	ND	ND	ND	**3.76**	ND	ND	ND	ND	**3.76**
URS-8B/LIB/112910	29-Nov-10	10K0858-10	ND	ND	ND	ND	0.24	ND	ND	ND	ND	**0.24**
URS-9/L1B/110810	8-Nov-10	L1017725-09	ND	ND	ND	ND	0.802	ND	ND	ND	ND	**0.802**
URS-10/L1B/110910	9-Nov-10	L1017787-01	ND	ND	ND	ND	0.658	ND	ND	ND	ND	**0.658**
URS-11/L1B/110910	9-Nov-10	L1017787-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-12/L1B/110910	9-Nov-10	L1017787-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-13/L1B/110910	9-Nov-10	L1017787-04	ND	ND	ND	ND	0.111	ND	ND	ND	ND	**0.111**
URS-14/L1B/110910	9-Nov-10	L1017787-05	ND	ND	ND	ND	0.6	ND	ND	ND	ND	**0.6**
URS-15/L1B/110910	9-Nov-10	L1017787-06	ND	ND	ND	ND	**2.55**	ND	ND	ND	ND	**2.55**
URS-15/DUP	9-Nov-10	L1017787-07	ND	ND	ND	ND	**2.29**	ND	ND	ND	ND	**2.29**
URS-15A/L1B/111510	15-Nov-10	L1018221-03	ND	ND	ND	ND	0.16	ND	ND	ND	ND	**0.16**
URS-16/L1B/110910	9-Nov-10	L1017787-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-17/L1B/110910	9-Nov-10	L1017787-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-18/L1B/110910	9-Nov-10	L1017787-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-19/L1B/110910	9-Nov-10	L1017787-11	ND	ND	ND	ND	**4.12**	ND	ND	ND	ND	**4.12**
URS-19A/L1B/111510	15-Nov-10	L1018221-04	ND	ND	ND	ND	0.79	ND	ND	ND	ND	**0.79**
URS-20/L1B/110910	9-Nov-10	L1017787-12	ND	ND	ND	ND	**2.97**	ND	ND	ND	ND	**2.97**
URS-20A/L1B/111510	15-Nov-10	L1018221-05	ND	ND	ND	ND	0.505	ND	ND	ND	ND	**0.505**
URS-21/L1B/110910	9-Nov-10	L1017787-13	ND	ND	ND	ND	**2.05**	ND	ND	ND	ND	**2.05**
URS-21A/L1B/111510	15-Nov-10	L1018221-06	ND	ND	ND	ND	0.133	ND	ND	ND	ND	**0.133**
URS-22/L1B/110910	9-Nov-10	L1017787-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-23/L1B/110910	9-Nov-10	L1017787-15	ND	ND	ND	ND	0.642	ND	ND	ND	ND	**0.642**
URS-24/L1B/110910	9-Nov-10	L1017787-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1B
Garage Zone B Paint Remediation Confirmatory Sample Summary
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

Former Worcester Commons Outlet Mall Garage	*SAMPLING DATE*	*Lab Sample ID*	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-25/L1B/110910	9-Nov-10	L1017787-17	ND	ND	ND	ND	0.702	ND	ND	ND	ND	**0.702**
URS-26/L1B/110910	9-Nov-10	L1017787-18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-27/L1B/110910	9-Nov-10	L1017787-19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-28/L1B/110910	9-Nov-10	L1017787-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-29/L1B/111010	10-Nov-10	L1017901-01	ND	ND	ND	ND	0.707	ND	ND	ND	ND	**0.707**
URS-30/L1B/111010	10-Nov-10	L1017901-02	ND	ND	ND	ND	0.775	ND	ND	ND	ND	**0.775**
URS-31/L1B/111010	10-Nov-10	L1017901-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-32/L1B/111010	10-Nov-10	L1017901-04	ND	ND	ND	ND	0.0596	ND	ND	ND	ND	**0.0596**
URS-33/L1B/111810	18-NOV-10	L1018489-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-34/L1B/111810	18-NOV-10	L1018489-08	ND	ND	ND	ND	0.87	ND	ND	ND	ND	**0.87**
URS-35/L1B/111810	18-NOV-10	L1018489-09	ND	ND	ND	ND	0.608	ND	ND	ND	ND	**0.608**
URS-36/L1B/111810	18-NOV-10	L1018489-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-37/L1B/111810	18-NOV-10	L1018489-02	ND	ND	ND	ND	0.674	ND	ND	ND	ND	**0.674**
URS-38/L1B/111810	18-NOV-10	L1018489-03	ND	ND	ND	ND	0.639	ND	ND	ND	ND	**0.639**
URS-39/L1B/111810	18-NOV-10	L1018489-04	ND	ND	ND	ND	0.374	ND	ND	ND	ND	**0.374**
URS-40/L1B/111810	18-NOV-10	L1018489-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-40/DUP	18-NOV-10	L1018489-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-41/L1B/111810	18-NOV-10	L1018489-10	ND	ND	ND	ND	**3.62**	ND	ND	ND	ND	**3.62**
URS-41A/LIB/112910	29-Nov-10	10K0858-12	ND	ND	ND	ND	0.4	ND	ND	ND	ND	**0.4**
URS-42/L1B/111810	18-NOV-10	L1018489-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-43/L1B/111810	18-NOV-10	L1018489-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-44/L1B/111810	18-NOV-10	L1018489-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-45/L1B/111810	18-NOV-10	L1018489-14	ND	ND	ND	ND	0.411	ND	ND	ND	ND	**0.411**
URS-46/LIB/111610	16-Nov-10	10K0567-01	ND	ND	ND	ND	**1.9**	ND	ND	ND	ND	**1.9**
URS-46 DUP	16-Nov-10	10K0567-02	ND	ND	ND	ND	**1.6**	ND	ND	ND	ND	**1.6**
URS-46A/LIB/112910	29-Nov-10	10K0858-01	ND	ND	ND	ND	0.75	ND	ND	ND	ND	**0.75**
URS-47/LIB/111610	16-Nov-10	10K0567-03	ND	ND	ND	ND	**5.1**	ND	ND	ND	ND	**5.1**
URS-47A/LIB/112910	29-Nov-10	10K0858-02	ND	ND	ND	ND	0.4	ND	ND	ND	ND	**0.4**
URS-48/LIB/111610	16-Nov-10	10K0567-04	ND	ND	ND	ND	**3.1**	ND	ND	ND	ND	**3.1**
URS-48A/LIB/112910	29-Nov-10	10K0858-03	ND	ND	ND	ND	0.33	ND	ND	ND	ND	**0.33**
URS-49/LIB/111610	16-Nov-10	10K0567-05	ND	ND	ND	ND	**8.6**	ND	ND	ND	ND	**8.6**
URS-49A/LIB/112910	29-Nov-10	10K0858-04	ND	ND	ND	ND	0.9	ND	ND	ND	ND	**0.9**

Table 1B
Garage Zone B Paint Remediation Confirmatory Sample Summary
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

Former Worcester Commons Outlet Mall Garage	*SAMPLING DATE*	*Lab Sample ID*	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-49A/DUP	29-Nov-10	10K0858-11	ND	ND	ND	ND	1	ND	ND	ND	ND	**1**
URS-50/LIB/111610	16-Nov-10	10K0567-06	ND	ND	ND	ND	**15**	ND	ND	ND	ND	**15**
URS-50A/LIB/112910	29-Nov-10	10K0858-05	ND	ND	ND	ND	**1.8**	ND	ND	ND	ND	**1.8**
URS-50B/LIB/120210	02-Dec-10	10L0069-04	ND	ND	ND	ND	0.33	ND	ND	ND	ND	**0.33**
URS-51/LIB/111610	16-Nov-10	10K0567-07	ND	ND	ND	ND	**18**	ND	ND	ND	ND	**18**
URS-51A/LIB/112910	29-Nov-10	10K0858-06	ND	ND	ND	ND	**1.1**	ND	ND	ND	ND	**1.1**
URS-51B/LIB/120210	02-Dec-10	10L0069-05	ND	ND	ND	ND	**3.5**	ND	ND	ND	ND	**3.5**
URS-51C-/L2B/120910	09-Dec-10	10L0281-05	ND	ND	ND	ND	**16**	ND	ND	ND	ND	**16**
URS-51 0-0.5"	1/4/2011	11A0058-08	ND	ND	ND	ND	**26**	ND	ND	ND	ND	**26**
URS-51 0.5-1"	1/4/2011	11A0058-09	ND	ND	ND	ND	**15**	ND	ND	ND	ND	**15**
URS-51 1-1.5"	1/4/2011	11A0058-10	ND	ND	ND	ND	**6.1**	ND	ND	ND	ND	**6.1**
URS-51 1.5-2"	1/4/2011	11A0058-11	ND	ND	ND	ND	**0.92**	ND	ND	ND	ND	**0.92**
URS-52/LIB/111610	16-Nov-10	10K0567-08	ND	ND	ND	ND	**2.1**	ND	ND	ND	ND	**2.1**
URS-52A/LIB/112910	29-Nov-10	10K0858-07	ND	ND	ND	ND	0.53	ND	ND	ND	ND	**0.53**
URS-53/LIB/111610	16-Nov-10	10K0567-09	ND	ND	ND	ND	**7.3**	ND	ND	ND	ND	**7.3**
URS-53A/LIB/112910	29-Nov-10	10K0858-08	ND	ND	ND	ND	**3.4**	ND	ND	ND	ND	**3.4**
URS-53B/LIB/120210	02-Dec-10	10L0069-06	ND	ND	ND	ND	0.48	ND	ND	ND	ND	**0.48**
URS-54/LIB/111610	16-Nov-10	10K0567-10	ND	ND	ND	ND	**5.1**	ND	ND	ND	ND	**5.1**
URS-54A/LIB/112910	29-Nov-10	10K0858-09	ND	ND	ND	ND	0.42	ND	ND	ND	ND	**0.42**
URS-55/LIB/111610	16-Nov-10	10K0567-11	ND	ND	ND	ND	0.36	ND	ND	ND	ND	**0.36**
URS-56/LIB/111610	16-Nov-10	10K0567-12	ND	ND	ND	ND	0.77	ND	ND	ND	ND	**0.77**
URS-57/LIB/111610	16-Nov-10	10K0567-13	ND	ND	ND	ND	0.25	ND	ND	ND	ND	**0.25**
URS-58/LIB/111610	16-Nov-10	10K0567-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-59/LIB/111610	16-Nov-10	10K0567-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-60/LIB/111610	16-Nov-10	10K0567-16	ND	ND	ND	ND	0.34	ND	ND	ND	ND	**0.34**
URS-61/LIB/111610	16-Nov-10	10K0567-17	ND	ND	ND	ND	0.86	ND	ND	ND	ND	**0.86**
URS-62/LIB/111610	16-Nov-10	10K0567-18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-63/LIB/111610	16-Nov-10	10K0567-19	ND	ND	ND	ND	0.13	ND	ND	ND	ND	**0.13**
URS-89-L1B/112210	22-Nov-10	10K0745-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-90-L1B/112210	22-Nov-10	10K0745-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-91-L1B/112210	22-Nov-10	10K0745-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-92-L1B/112210	22-Nov-10	10K0745-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1B
Garage Zone B Paint Remediation Confirmatory Sample Summary
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

Former Worcester Commons Outlet Mall Garage	*SAMPLING DATE*	*Lab Sample ID*	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-93-L1B/112210	22-Nov-10	10K0745-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-94/LIB/112910	29-Nov-10	10K0858-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-95/LIB/112910	29-Nov-10	10K0858-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-96/LIB/113010	30-Nov-10	10K0876-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-97/LIB/113010	30-Nov-10	10K0876-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-98/LIB/113010	30-Nov-10	10K0876-03	ND	ND	ND	ND	0.2	ND	ND	ND	ND	**0.2**
URS-99/LIB/113010	30-Nov-10	10K0876-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-100/LIB/113010	30-Nov-10	10K0876-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-101/LIB/113010	30-Nov-10	10K0876-06	ND	ND	ND	ND	ND	0.25	ND	ND	ND	**0.25**
URS-102/LIB/113010	30-Nov-10	10K0876-07	ND	ND	ND	ND	ND	0.2	ND	ND	ND	**0.2**
URS-103/LIB/113010	30-Nov-10	10K0876-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-104/LIB/120110	01-Dec-10	10L0032-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-105/LIB/120110	01-Dec-10	10L0032-02	ND	ND	ND	ND	0.23	ND	ND	ND	ND	**0.23**
URS-105/DUP	01-Dec-10	10L0032-03	ND	ND	ND	ND	0.3	ND	ND	ND	ND	**0.3**
URS-106/LIB/120110	01-Dec-10	10L0032-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-107/LIB/120110	01-Dec-10	10L0032-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-108/LIB/120110	01-Dec-10	10L0032-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-109/LIB/120110	01-Dec-10	10L0032-07	ND	ND	ND	ND	0.45	ND	ND	ND	ND	**0.45**
URS-110/LIB/120110	01-Dec-10	10L0032-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-111/LIB/120110	01-Dec-10	10L0032-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-112/LIB/120110	01-Dec-10	10L0032-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-113/LIB/120110	01-Dec-10	10L0032-11	ND	ND	ND	ND	0.31	ND	ND	ND	ND	**0.31**
URS-114/LIB/120110	01-Dec-10	10L0032-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-115/LIB/120110	01-Dec-10	10L0032-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-116/LIB/120110	01-Dec-10	10L0032-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-117/LIB/120110	01-Dec-10	10L0032-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-118/LIB/120110	01-Dec-10	10L0032-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-119/LIB/120110	01-Dec-10	10L0032-17	ND	ND	ND	ND	0.51	ND	ND	ND	ND	**0.51**
URS-120/LIB/120110	01-Dec-10	10L0032-18	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-121/LIB/120110	01-Dec-10	10L0032-19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-122/LIB/120110	01-Dec-10	10L0032-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-123/LIB/120110	01-Dec-10	10L0032-21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1B
Garage Zone B Paint Remediation Confirmatory Sample Summary
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

Former Worcester Commons Outlet Mall Garage	*SAMPLING DATE*	*Lab Sample ID*	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-124/LIB/120110	01-Dec-10	10L0032-22	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-125/LIB/120210	02-Dec-10	10L0069-01	ND	ND	ND	ND	0.33	ND	ND	ND	ND	**0.33**
URS-126/LIB/120210	02-Dec-10	10L0069-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-126/DUP	02-Dec-10	10L0069-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-127/L6B/120310	03-Dec-10	10L0116-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-128/L6B/120310	03-Dec-10	10L0116-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-129/L6B/120310	03-Dec-10	10L0116-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-130/L6B/120310	03-Dec-10	10L0116-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-131/L6B/120310	03-Dec-10	10L0116-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-132/L6B/120310	03-Dec-10	10L0116-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-133/L6B/120310	03-Dec-10	10L0116-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-134/L6B/120310	03-Dec-10	10L0116-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-135/L6B/120310	03-Dec-10	10L0116-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-136/L6B/120310	03-Dec-10	10L0116-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-137/L6B/120310	03-Dec-10	10L0116-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-138/LB/120610	06-Dec-10	10L0162-01	ND	ND	ND	ND	0.29	0.22	ND	ND	ND	**0.51**
URS-139/LB/120610	06-Dec-10	10L0162-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-140/LB/120610	06-Dec-10	10L0162-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-141/LB/120610	06-Dec-10	10L0162-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-142/LB/120610	06-Dec-10	10L0162-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-143/LB/120610	06-Dec-10	10L0162-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-144/LB/120610	06-Dec-10	10L0162-07	ND	ND	ND	ND	0.41	ND	ND	ND	ND	**0.41**
URS-DUP	06-Dec-10	10L0162-09	ND	ND	ND	ND	0.55	ND	ND	ND	ND	**0.55**
URS-145/LB/120610	06-Dec-10	10L0162-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-146-/L2B/120910	09-Dec-10	10L0281-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-147-/L2B/120910	09-Dec-10	10L0281-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-148-/L2B/120910	09-Dec-10	10L0281-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-149-/L2B/120910	09-Dec-10	10L0281-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-150-/L2B/120910	09-Dec-10	10L0281-06	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-151-/L2B/120910	09-Dec-10	10L0281-07	ND	ND	ND	ND	0.26	ND	ND	ND	ND	**0.26**
URS-152-/L2B/120910	09-Dec-10	10L0281-08	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-153-/L2B/120910	09-Dec-10	10L0281-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1B
Garage Zone B Paint Remediation Confirmatory Sample Summary
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

Former Worcester Commons Outlet Mall Garage	*SAMPLING DATE*	*Lab Sample ID*	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-154-/L2B/120910	09-Dec-10	10L0281-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-155-/L2B/120910	09-Dec-10	10L0281-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-156-/L2B/120910	09-Dec-10	10L0281-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-157-/L2B/120910	09-Dec-10	10L0281-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-158-/L2B/120910	09-Dec-10	10L0281-14	ND	ND	ND	ND	ND	0.12	ND	ND	ND	**0.12**
URS-159-/L2B/120910	09-Dec-10	10L0281-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-160-/L2B/120910	09-Dec-10	10L0281-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-161-/L2B/120910	09-Dec-10	10L0281-17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-162-/L2B/120910	09-Dec-10	10L0281-18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-163-/L2B/120910	09-Dec-10	10L0281-19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-164-/L2B/120910	09-Dec-10	10L0281-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-165-/L2B/120910	09-Dec-10	10L0281-21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-166-/L2B/120910	09-Dec-10	10L0281-22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-167-/L2B/120910	09-Dec-10	10L0281-23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-168-/L2B/120910	09-Dec-10	10L0281-24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-DUP120910	09-Dec-10	10L0281-25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-169-/L2B/120910	09-Dec-10	10L0281-26	ND	ND	ND	ND	ND	0.14	ND	ND	ND	**0.14**
URS-170-/L2B/120910	09-Dec-10	10L0281-27	ND	ND	ND	ND	ND	0.17	ND	ND	ND	**0.17**
URS-171/L6B/121310	13-Dec-10	10L0370-01	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-172/L6B/121310	13-Dec-10	10L0370-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-173/L6B/121310	13-Dec-10	10L0370-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-174/L6B/121310	13-Dec-10	10L0370-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-175/L6B/121310	13-Dec-10	10L0370-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-176/L6B/121310	13-Dec-10	10L0370-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-177/L6B/121310	13-Dec-10	10L0370-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-178/L6B/121310	13-Dec-10	10L0370-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-179/L6B/121410	14-Dec-10	10L0406-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-180/L6B/121410	14-Dec-10	10L0406-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-181/L6B/121410	14-Dec-10	10L0406-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-182/L6B/121410	14-Dec-10	10L0406-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-183/L6B/121410	14-Dec-10	10L0406-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-184/L6B/121410	14-Dec-10	10L0406-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1B
Garage Zone B Paint Remediation Confirmatory Sample Summary
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

Former Worcester Commons Outlet Mall Garage	*SAMPLING DATE*	*Lab Sample ID*	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-185/L6B/121410	14-Dec-10	10L0406-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-186/L6B/121410	14-Dec-10	10L0406-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-187/L6B/121410	14-Dec-10	10L0406-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-188/L6B/121410	14-Dec-10	10L0406-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-188/DUP	14-Dec-10	10L0406-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-189/L6B/121410	14-Dec-10	10L0406-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-190/L6B/121410	14-Dec-10	10L0406-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-191/L6B/121410	14-Dec-10	10L0406-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-192/L4B/121610	16-Dec-10	10L0511-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-193/L4B/121610	16-Dec-10	10L0511-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-194/L4B/121610	16-Dec-10	10L0511-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-195/L4B/121610	16-Dec-10	10L0511-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-196/L4B/121610	16-Dec-10	10L0511-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-197/L4B/121610	16-Dec-10	10L0511-06	ND	ND	ND	ND	0.15	ND	ND	ND	ND	**0.15**
URS-198/L4B/121610	16-Dec-10	10L0511-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-199/L4B/121610	16-Dec-10	10L0511-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-720/L5B/070611	06-Jul-11	11G0098-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-721/L5B/070611	06-Jul-11	11G0098-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-722/L5B/070611	06-Jul-11	11G0098-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-723/L5B/070611	06-Jul-11	11G0098-04	ND	ND	ND	ND	0.26	ND	ND	ND	ND	**0.26**
URS-724/L5B/070611	06-Jul-11	11G0098-05	ND	ND	ND	ND	0.43	ND	ND	ND	ND	**0.43**
URS-725/L5B/070611	06-Jul-11	11G0098-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-726/L5B/070711	07-Jul-11	11G0143-01	ND	ND	ND	ND	0.14	ND	ND	ND	ND	**0.14**
URS-727/L5B/070711	07-Jul-11	11G0143-02	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-728/L5B/070711	07-Jul-11	11G0143-03	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-728/L5B/DUP	07-Jul-11	11G0143-04	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-729/L5B/070711	07-Jul-11	11G0143-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-730/L5B/070711	07-Jul-11	11G0143-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-731/L5B/070711	07-Jul-11	11G0143-07	ND	ND	ND	ND	0.1	ND	ND	ND	ND	**0.1**
URS-732/L5B/070711	07-Jul-11	11G0143-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-733/L5B/070811	08-Jul-11	11G0206-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-734/L5B/070811	08-Jul-11	11G0206-09	ND	ND	ND	ND	0.17	ND	ND	ND	ND	**0.17**

Table 1B
Garage Zone B Paint Remediation Confirmatory Sample Summary
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

Former Worcester Commons Outlet Mall Garage	*SAMPLING DATE*	*Lab Sample ID*	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-735/L5B/070811	08-Jul-11	11G0206-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-736/L5B/070811	08-Jul-11	11G0206-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-737/L5B/070811	08-Jul-11	11G0206-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-738/L5B/070811	08-Jul-11	11G0206-04	ND	ND	ND	ND	0.16	ND	ND	ND	ND	**0.16**
URS-739/L5B/070811	08-Jul-11	11G0206-06	ND	ND	ND	ND	0.23	ND	ND	ND	ND	**0.23**
URS-740/L5B/070811	08-Jul-11	11G0206-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-741/L5B/070811	08-Jul-11	11G0206-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-742/L5B/070811	08-Jul-11	11G0206-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-743/L5B/070711	07-Jul-11	11G0143-11	ND	ND	ND	ND	0.61	ND	ND	ND	ND	**0.61**
URS-744/L5B/070711	07-Jul-11	11G0143-10	ND	ND	ND	ND	0.19	ND	ND	ND	ND	**0.19**
URS-745/L5B/070711	07-Jul-11	11G0143-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-746/L4B/071411	14-Jul-11	11G0376-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-747/L4B/071411	14-Jul-11	11G0376-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-747/DUP	14-Jul-11	11G0376-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-748/L4B/071411	14-Jul-11	11G0376-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-749/L4B/071411	14-Jul-11	11G0376-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-750/L4B/071411	14-Jul-11	11G0376-07	ND	ND	ND	ND	0.17	ND	ND	ND	ND	**0.17**
URS-751/L4B/071411	14-Jul-11	11G0376-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-752/L4B/071411	14-Jul-11	11G0376-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-753/L4B/071411	14-Jul-11	11G0376-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-754/L4B/071411	14-Jul-11	11G0376-11	ND	ND	ND	ND	0.15	ND	ND	ND	ND	**0.15**
URS-755/L4B/071411	14-Jul-11	11G0376-12	ND	ND	ND	ND	0.26	ND	ND	ND	ND	**0.26**
URS-756/L4B/071411	14-Jul-11	11G0376-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-757/L4B/071411	14-Jul-11	11G0376-02	ND	ND	ND	ND	0.27	ND	ND	ND	ND	**0.27**
URS-758/L5B/071511	15-Jul-11	11G0424-01	ND	ND	ND	ND	0.21	ND	ND	ND	ND	**0.21**
URS-759/L5B/071511	15-Jul-11	11G0424-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-760/L5B/071511	15-Jul-11	11G0424-06	ND	ND	ND	ND	0.34	ND	ND	ND	ND	**0.34**
URS-761/L5B/071511	15-Jul-11	11G0424-07	ND	ND	ND	ND	0.16	ND	ND	ND	ND	**0.16**
URS-762/L5B/071511	15-Jul-11	11G0424-08	ND	ND	ND	ND	0.26	ND	ND	ND	ND	**0.26**
URS-763/L5B/071511	15-Jul-11	11G0424-11	ND	ND	ND	ND	0.17	ND	ND	ND	ND	**0.17**
URS-763/DUP	15-Jul-11	11G0424-12	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-764/L5B/071511	15-Jul-11	11G0424-13	ND	ND	ND	ND	0.15	ND	ND	ND	ND	**0.15**

Table 1B
Garage Zone B Paint Remediation Confirmatory Sample Summary
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

Former Worcester Commons Outlet Mall Garage	*SAMPLING DATE*	*Lab Sample ID*	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-765/L5B/071511	15-Jul-11	11G0424-16	ND	ND	ND	ND	0.18	ND	ND	ND	ND	**0.18**
URS-766/L5B/071511	15-Jul-11	11G0424-17	ND	ND	ND	ND	0.16	ND	ND	ND	ND	**0.16**
URS-767/L5B/071511	15-Jul-11	11G0424-18	ND	ND	ND	ND	0.18	ND	ND	ND	ND	**0.18**
URS-768/L5B/071511	15-Jul-11	11G0424-19	ND	ND	ND	ND	0.23	ND	ND	ND	ND	**0.23**
URS-769/L5B/071511	15-Jul-11	11G0424-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-770/L5B/071511	15-Jul-11	11G0424-21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-771/L5B/071511	15-Jul-11	11G0424-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-772/L5B/071511	15-Jul-11	11G0424-14	ND	ND	ND	ND	0.31	ND	ND	ND	ND	**0.31**
URS-773/L5B/071511	15-Jul-11	11G0424-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-774/L5B/071511	15-Jul-11	11G0424-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-775/L5B/071511	15-Jul-11	11G0424-05	ND	ND	ND	ND	0.18	ND	ND	ND	ND	**0.18**
URS-776/L5B/071511	15-Jul-11	11G0424-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-777/L5B/071511	15-Jul-11	11G0424-03	ND	ND	ND	ND	0.17	ND	ND	ND	ND	**0.17**
URS-778/L4B/072111	21-Jul-11	11G0630-01	ND	ND	ND	ND	0.14	ND	ND	ND	ND	**0.14**
URS-779/L4B/072111	21-Jul-11	11G0630-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-780/L4B/072111	21-Jul-11	11G0630-04	ND	ND	ND	ND	0.44	ND	ND	ND	ND	**0.44**
URS-781/L4B/072111	21-Jul-11	11G0630-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-782/L4B/072111	21-Jul-11	11G0630-08	ND	ND	ND	ND	0.14	ND	ND	ND	ND	**0.14**
URS-783/L4B/072111	21-Jul-11	11G0630-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-784/L4B/072111	21-Jul-11	11G0630-14	ND	ND	ND	ND	0.3	ND	ND	ND	ND	**0.3**
URS-785/L4B/072211	22-Jul-11	11G0646-01	ND	ND	ND	ND	0.18	ND	ND	ND	ND	**0.18**
URS-786/L4B/072211	22-Jul-11	11G0646-02	ND	ND	ND	ND	0.42	ND	ND	ND	ND	**0.42**
URS-787/L4B/072211	22-Jul-11	11G0646-04	ND	ND	ND	ND	0.14	ND	ND	ND	ND	**0.14**
URS-788/L4B/072211	22-Jul-11	11G0646-06	ND	ND	ND	ND	**2.5**	ND	ND	ND	ND	**2.5**
URS-788A/L4B/072811	28-Jul-11	11G0848-02	ND	ND	ND	ND	**1.1**	ND	ND	ND	ND	**1.1**
URS-789/L4B/072211	22-Jul-11	11G0646-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-790/L4B/072211	22-Jul-11	11G0646-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-791/L4B/072211	22-Jul-11	11G0646-05	ND	ND	ND	ND	0.16	ND	ND	ND	ND	**0.16**
URS-792/L4B/072211	22-Jul-11	11G0646-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-793/L4B/072111	21-Jul-11	11G0630-12	ND	ND	ND	ND	0.14	ND	ND	ND	ND	**0.14**
URS-793/DUP	21-Jul-11	11G0630-13	ND	ND	ND	ND	0.16	ND	ND	ND	ND	**0.16**
URS-794/L4B/072111	21-Jul-11	11G0630-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1B
Garage Zone B Paint Remediation Confirmatory Sample Summary
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

Former Worcester Commons Outlet Mall Garage	*SAMPLING DATE*	*Lab Sample ID*	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-795/L4B/072111	21-Jul-11	11G0630-10	ND	ND	ND	ND	0.52	ND	ND	ND	ND	**0.52**
URS-796/L4B/072111	21-Jul-11	11G0630-06	ND	ND	ND	ND	0.13	ND	ND	ND	ND	**0.13**
URS-797/L4B/072111	21-Jul-11	11G0630-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-798/L4B/072111	21-Jul-11	11G0630-02	ND	ND	ND	ND	0.23	ND	ND	ND	ND	**0.23**
URS-799/L3B/072811	28-Jul-11	11G0848-04	ND	ND	ND	ND	0.45	ND	ND	ND	ND	**0.45**
URS-800/L3B/072811	28-Jul-11	11G0848-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-801/L3B/072811	28-Jul-11	11G0848-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-802/L3B/072811	28-Jul-11	11G0848-08	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-803/L3B/072811	28-Jul-11	11G0848-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-803/DUP	28-Jul-11	11G0848-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-804/L3B/072811	28-Jul-11	11G0848-13	ND	ND	ND	ND	0.18	ND	ND	ND	ND	**0.18**
URS-805/L3B/072811	28-Jul-11	11G0848-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-806/L3B/072811	28-Jul-11	11G0848-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-807/L3B/072811	28-Jul-11	11G0848-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-808/L3B/072811	28-Jul-11	11G0848-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-809/L3B/072811	28-Jul-11	11G0848-06	ND	ND	ND	ND	0.14	ND	ND	ND	ND	**0.14**
URS-810/L3B/072811	28-Jul-11	11G0848-03	ND	ND	ND	ND	0.27	ND	ND	ND	ND	**0.27**
URS-811/L3B/072811	28-Jul-11	11G0848-01	ND	ND	ND	ND	0.48	ND	ND	ND	ND	**0.48**
URS-812/L4B/072811	28-Jul-11	11G0848-18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-813/L4B/072911	29-Jul-11	11G0880-01	ND	ND	ND	ND	**1.6**	**1.4**	ND	ND	ND	**3**
URS-814/L4B/072911	29-Jul-11	11G0880-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-815/L4B/072911	29-Jul-11	11G0880-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-816/L4B/072911	29-Jul-11	11G0880-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-817/L4B/072911	29-Jul-11	11G0880-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-818/L4B/072911	29-Jul-11	11G0880-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-819/L4B/072911	29-Jul-11	11G0880-09	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-820/L4B/072911	29-Jul-11	11G0880-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-821/L4B/072911	29-Jul-11	11G0880-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-823/L4B/072911	29-Jul-11	11G0880-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-824/L4B/072911	29-Jul-11	11G0880-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-825/L4B/072811	28-Jul-11	11G0848-20	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-826/L4B/072811	28-Jul-11	11G0848-19	ND	ND	ND	ND	0.16	ND	ND	ND	ND	**0.16**

Table 1B
Garage Zone B Paint Remediation Confirmatory Sample Summary
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

Former Worcester Commons Outlet Mall Garage	*SAMPLING DATE*	*Lab Sample ID*	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-827/L4B/072811	28-Jul-11	11G0848-17	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-828/L4B/072811	28-Jul-11	11G0848-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-829/L3B/010512	5-Jan-12	12A0113-01	ND	ND	ND	ND	0.22	ND	ND	ND	ND	**0.22**
URS-830/L3B/010512	5-Jan-12	12A0113-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-830/DUP	5-Jan-12	12A0113-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-831/L3B/010512	5-Jan-12	12A0113-04	ND	ND	ND	ND	0.15	ND	ND	ND	ND	**0.15**
URS-832/L3B/010512	5-Jan-12	12A0113-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-833/L3B/010512	5-Jan-12	12A0113-06	ND	ND	ND	ND	0.26	ND	ND	ND	ND	**0.25**
URS-834/L3B/010512	5-Jan-12	12A0113-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-835/L3B/010512	5-Jan-12	12A0113-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-836/L3B/010512	5-Jan-12	12A0113-13	ND	ND	ND	ND	0.14	ND	ND	ND	ND	**0.14**
URS-837/L3B/010512	5-Jan-12	12A0113-12	ND	ND	ND	ND	0.54	ND	ND	ND	ND	**0.54**
URS-838/L3B/010512	5-Jan-12	12A0113-11	ND	ND	ND	ND	0.62	ND	ND	ND	ND	**0.62**
URS-839/L3B/010512	5-Jan-12	12A0113-10	ND	ND	ND	ND	0.1	ND	ND	ND	ND	**0.1**
URS-840/L3B/010512	5-Jan-12	12A0113-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-841/L3B/010512	5-Jan-12	12A0113-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-842/L5B/011112	11-Jan-12	12A0295-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-843/L5B/011112	11-Jan-12	12A0295-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-844/L5B/011112	11-Jan-12	12A0295-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-845/L5B/011112	11-Jan-12	12A0295-09	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-846/L3B/011212	12-Jan-12	12A0376-01	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-847/L3B/011212	12-Jan-12	12A0376-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-848/L3B/011212	12-Jan-12	12A0376-03	ND	ND	ND	ND	0.16	ND	ND	ND	ND	**0.16**
URS-849/L3B/011212	12-Jan-12	12A0376-05	ND	ND	ND	ND	0.18	ND	ND	ND	ND	**0.18**
URS-850/L3B/011212	12-Jan-12	12A0376-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-851/L3B/011212	12-Jan-12	12A0376-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-851/DUP	12-Jan-12	12A0376-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-852/L3B/011212	12-Jan-12	12A0376-08	ND	ND	ND	ND	0.76	ND	ND	ND	ND	**0.76**
URS-853/L3B/011212	12-Jan-12	12A0376-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-854/L3B/011212	12-Jan-12	12A0376-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-855/L3B/011212	12-Jan-12	12A0376-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-856/L3B/011212	12-Jan-12	12A0376-12	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**

Table 1B
Garage Zone B Paint Remediation Confirmatory Sample Summary
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

Former Worcester Commons Outlet Mall Garage	*SAMPLING DATE*	*Lab Sample ID*	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-857/L3B/011212	12-Jan-12	12A0376-13	ND	ND	ND	ND	0.64	ND	ND	ND	ND	**0.64**
URS-858/L3B/011212	12-Jan-12	12A0376-14	ND	ND	ND	ND	0.51	ND	ND	ND	ND	**0.51**
URS-859/L3B/011212	12-Jan-12	12A0376-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-860/L2B/081512	15-Aug-12	12H0489-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-861/L2B/081512	15-Aug-12	12H0489-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-862/L2B/100812	08-Oct-12	12J0312-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-863/L2B/100812	08-Oct-12	12J0312-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-864/L2B/100812	08-Oct-12	12J0312-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-865/L2B/100812	08-Oct-12	12J0312-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Units are in mg/kg Exceeds 1 mg/kg

Table 1C
Garage Zone C Concrete Sampling Results
Former Worcester Commons Outlet Garage, Worcester, Massachusetts

LOCATION	SAMPLING DATE	Lab Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-284/L5C1/012611	26-Jan-11	11A0558-11	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-285/L5C1/012611	26-Jan-11	11A0558-12	ND	ND	ND	ND	0.1	ND	ND	ND	ND	**0.1**
URS-286/L5C1/012611	26-Jan-11	11A0558-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-286/DUP	26-Jan-11	11A0558-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-287/L5C1/012611	26-Jan-11	11A0558-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-288/L5C1/012611	26-Jan-11	11A0558-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-289/L5C1/012611	26-Jan-11	11A0558-08	ND	ND	ND	ND	0.1	ND	ND	ND	ND	**0.1**
URS-290/L5C1/012611	26-Jan-11	11A0558-09	ND	ND	ND	ND	0.15	ND	ND	ND	ND	**0.15**
URS-291/L5C1/012611	26-Jan-11	11A0558-10	ND	ND	ND	ND	0.48	ND	ND	ND	ND	**0.48**
URS-292/L5C1/012711	27-Jan-11	11A0583-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-293/L5C1/012711	27-Jan-11	11A0583-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-294/L5C1/012711	27-Jan-11	11A0583-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-295/L5C1/012711	27-Jan-11	11A0583-03	ND	ND	ND	ND	2.3	ND	ND	ND	ND	**2.3**
URS-295A/L5C1/020311	03-Feb-11	11B0045-01	ND	ND	ND	ND	0.18	ND	ND	ND	ND	**0.18**
URS-296/L5C1/012711	27-Jan-11	11A0583-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-297/L5C1/012711	27-Jan-11	11A0583-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-298/L5C1/012711	27-Jan-11	11A0583-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-299/L5C1/012711	27-Jan-11	11A0583-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-300/L5C1/012711	27-Jan-11	11A0583-09	ND	ND	ND	ND	0.34	ND	ND	ND	ND	**0.34**
URS-301/L5C1/012711	27-Jan-11	11A0583-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-302/L5C1/012711	27-Jan-11	11A0583-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-303/L5C1/012711	27-Jan-11	11A0583-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-304/L5C1/013111	31-Jan-11	11A0632-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-305/L5C1/013111	31-Jan-11	11A0632-01	ND	ND	ND	ND	1.2	ND	ND	ND	ND	**1.2**
URS-305A/L5C1/020711	07-Feb-11	11B0131-01	ND	ND	ND	ND	0.99	ND	ND	ND	ND	**0.99**
URS-306/L5C1/013111	31-Jan-11	11A0632-02	ND	ND	ND	ND	0.44	ND	ND	ND	ND	**0.44**
URS-306/DUP	31-Jan-11	11A0632-03	ND	ND	ND	ND	0.38	ND	ND	ND	ND	**0.38**
URS-307/L5C1/013111	31-Jan-11	11A0632-05	ND	ND	ND	ND	0.68	ND	ND	ND	ND	**0.68**
URS-308/L5C1/013111	31-Jan-11	11A0632-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-309/L5C1/013111	31-Jan-11	11A0632-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-310/L5C1/013111	31-Jan-11	11A0632-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1C
Garage Zone C Concrete Sampling Results
Former Worcester Commons Outlet Garage, Worcester, Massachusetts

LOCATION	SAMPLING DATE	Lab Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-311/L5C1/013111	31-Jan-11	11A0632-09	ND	ND	ND	ND	0.47	ND	ND	ND	ND	**0.47**
URS-312/L5C1/013111	31-Jan-11	11A0632-11	ND	ND	ND	ND	0.16	ND	ND	ND	ND	**0.16**
URS-313/L5C1/013111	31-Jan-11	11A0632-10	ND	ND	ND	ND	0.63	ND	ND	ND	ND	**0.63**
URS-314/L5C2/013111	31-Jan-11	11A0632-16	ND	ND	ND	ND	0.58	ND	ND	ND	ND	**0.58**
URS-315/L5C2/013111	31-Jan-11	11A0632-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-316/L5C2/013111	31-Jan-11	11A0632-13	ND	ND	ND	ND	0.74	ND	ND	ND	ND	**0.74**
URS-317/L5C2/013111	31-Jan-11	11A0632-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-318/L5C2/013111	31-Jan-11	11A0632-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-319/L5C2/013111	31-Jan-11	11A0632-17	ND	ND	ND	ND	2.3	ND	ND	ND	ND	**2.3**
URS-319A/L5C2/020711	07-Feb-11	11B0131-02	ND	ND	ND	ND	0.54	ND	ND	ND	ND	**0.54**
URS-320/L5C2/013111	31-Jan-11	11A0632-18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-321/L5C2/020311	03-Feb-11	11B0045-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-322/L5C2/020311	03-Feb-11	11B0045-03	ND	ND	ND	ND	0.68	ND	ND	ND	ND	**0.68**
URS-323/L5C2/020311	03-Feb-11	11B0045-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-324/L5C2/020311	03-Feb-11	11B0045-05	ND	ND	ND	ND	3.2	ND	ND	ND	ND	**3.2**
URS-324A/L5C2/021111	11-Feb-11	11B0255-01	ND	ND	ND	ND	0.53	ND	ND	ND	ND	**0.53**
URS-325/L5C2/020311	03-Feb-11	11B0045-06	ND	ND	ND	ND	1.3	ND	ND	ND	ND	**1.3**
URS-325A/L5C2/021111	11-Feb-11	11B0255-02	ND	ND	ND	ND	0.41	ND	ND	ND	ND	**0.41**
URS-326/L5C2/020311	03-Feb-11	11B0045-07	ND	ND	ND	ND	0.5	ND	ND	ND	ND	**0.5**
URS-326/DUP	03-Feb-11	11B0045-08	ND	ND	ND	ND	0.51	ND	ND	ND	ND	**0.51**
URS-327/L5C2/020311	03-Feb-11	11B0045-09	ND	ND	ND	ND	1.1	ND	ND	ND	ND	**1.1**
URS-327A/L5C2/021111	11-Feb-11	11B0255-03	ND	ND	ND	ND	0.24	ND	ND	ND	ND	**0.24**
URS-328/L5C2/020311	03-Feb-11	11B0045-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-329/L5C2/020311	03-Feb-11	11B0045-11	ND	ND	ND	ND	0.34	ND	ND	ND	ND	**0.34**
URS-330/L5C2/020311	03-Feb-11	11B0045-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-331/L5C2/020311	03-Feb-11	11B0045-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-332/L5C2/020311	03-Feb-11	11B0045-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-333/L5C2/020311	03-Feb-11	11B0045-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-334/L5C2/020311	03-Feb-11	11B0045-17	ND	ND	ND	ND	0.4	ND	ND	ND	ND	**0.4**
URS-335/L5C2/020311	03-Feb-11	11B0045-16	ND	ND	ND	ND	0.42	ND	ND	ND	ND	**0.42**
URS-336/L5C2/020311	03-Feb-11	11B0045-18	ND	ND	ND	ND	0.13	ND	ND	ND	ND	**0.13**

Table 1C
Garage Zone C Concrete Sampling Results
Former Worcester Commons Outlet Garage, Worcester, Massachusetts

LOCATION	SAMPLING DATE	Lab Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-337/L5C2/020311	03-Feb-11	11B0045-19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-338/L5C2/020411	04-Feb-11	11B0086-01	ND	ND	ND	ND	0.44	ND	ND	ND	ND	**0.44**
URS-339/L5C2/020411	04-Feb-11	11B0086-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-340/L5C2/020411	04-Feb-11	11B0086-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-341/L5C2/020411	04-Feb-11	11B0086-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-342/L5C2/020411	04-Feb-11	11B0086-05	ND	ND	ND	ND	0.2	ND	ND	ND	ND	**0.2**
URS-343/L5C2/020411	04-Feb-11	11B0086-06	ND	ND	ND	ND	1	ND	ND	ND	ND	**1**
URS-344/L5C2/020411	04-Feb-11	11B0086-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-345/L5C2/020411	04-Feb-11	11B0086-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-346/L5C2/020411	04-Feb-11	11B0086-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-346/DUP	04-Feb-11	11B0086-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-347/L5C2/020411	04-Feb-11	11B0086-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-348/L5C2/020411	04-Feb-11	11B0086-12	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-349/L5C2/020411	04-Feb-11	11B0086-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-350/L5C2/020411	04-Feb-11	11B0086-14	ND	ND	ND	ND	0.76	ND	ND	ND	ND	**0.76**
URS-351/L5C2/020411	04-Feb-11	11B0086-15	ND	ND	ND	ND	0.2	ND	ND	ND	ND	**0.2**
URS-352/L5C2/020411	04-Feb-11	11B0086-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-353/L5C2/020411	04-Feb-11	11B0086-17	ND	ND	ND	ND	0.31	ND	ND	ND	ND	**0.31**
URS-354/L5C2/020411	04-Feb-11	11B0086-18	ND	ND	ND	ND	0.58	0.33	ND	ND	ND	**0.91**
URS-355/L5C2/020411	04-Feb-11	11B0086-19	ND	ND	ND	ND	0.14	ND	ND	ND	ND	**0.14**
URS-356/L5C2/020411	04-Feb-11	11B0086-20	ND	ND	ND	ND	0.5	ND	ND	ND	ND	**0.5**
URS-357/L5C2/020411	04-Feb-11	11B0086-21	ND	ND	ND	ND	2.4	ND	ND	ND	ND	**2.4**
URS-357A/L5C2/021111	11-Feb-11	11B0255-04	ND	ND	ND	ND	0.18	ND	ND	ND	ND	**0.18**
URS-358/L5C2/020411	04-Feb-11	11B0086-22	ND	ND	ND	ND	0.35	ND	ND	ND	ND	**0.35**
URS-359/L5C2/020411	04-Feb-11	11B0086-23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-360/L5C2/020411	04-Feb-11	11B0086-24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-361/L5C2/020711	07-Feb-11	11B0131-03	ND	ND	ND	ND	0.34	ND	ND	ND	ND	**0.34**
URS-362/L5C2/020711	07-Feb-11	11B0131-04	ND	ND	ND	ND	0.34	ND	ND	ND	ND	**0.34**
URS-363/L5C2/020711	07-Feb-11	11B0131-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-364/L5C1/020711	07-Feb-11	11B0131-14	ND	ND	ND	ND	1	ND	ND	ND	ND	**1**
URS-365/L5C1/020711	07-Feb-11	11B0131-15	ND	ND	ND	ND	0.57	ND	ND	ND	ND	**0.57**

Table 1C
Garage Zone C Concrete Sampling Results
Former Worcester Commons Outlet Garage, Worcester, Massachusetts

LOCATION	SAMPLING DATE	Lab Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-366/L5C1/020711	07-Feb-11	11B0131-18	ND	ND	ND	ND	0.3	ND	ND	ND	ND	0.3
URS-367/L5C1/020711	07-Feb-11	11B0131-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-368/L5C1/020711	07-Feb-11	11B0131-22	ND	ND	ND	ND	1.1	ND	ND	ND	ND	1.1
URS-368A/L5C1/021411	14-Feb-11	11B0286-06	ND	ND	ND	ND	0.97	ND	ND	ND	ND	0.97
URS-369/L5C1/020711	07-Feb-11	11B0131-21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-370/L5C1/020711	07-Feb-11	11B0131-19	ND	ND	ND	ND	0.44	ND	ND	ND	ND	0.44
URS-371/L5C1/020711	07-Feb-11	11B0131-17	ND	ND	ND	ND	0.53	ND	ND	ND	ND	0.53
URS-372/L5C1/020711	07-Feb-11	11B0131-16	ND	ND	ND	ND	0.3	ND	ND	ND	ND	0.3
URS-373/L5C2/020711	07-Feb-11	11B0131-13	ND	ND	ND	ND	1.2	ND	ND	ND	ND	1.2
URS-373A/L5C2/021111	11-Feb-11	11B0255-05	ND	ND	ND	ND	0.17	ND	ND	ND	ND	0.17
URS-374/L5C2/020711	07-Feb-11	11B0131-11	ND	ND	ND	ND	0.27	ND	ND	ND	ND	0.27
URS-375/L5C2/020711	07-Feb-11	11B0131-10	ND	ND	ND	ND	0.37	ND	ND	ND	ND	0.37
URS-376/L5C2/020711	07-Feb-11	11B0131-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-376/Dup	07-Feb-11	11B0131-09	ND	ND	ND	ND	0.13	ND	ND	ND	ND	0.13
URS-377/L5C2/020711	07-Feb-11	11B0131-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-378/L5C2/020711	07-Feb-11	11B0131-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-379/L5C2/020711	07-Feb-11	11B0131-05	ND	ND	ND	ND	0.96	ND	ND	ND	ND	0.96
URS-380/L4C1/021011	10-Feb-11	11B0226-02	ND	ND	ND	ND	0.13	ND	ND	ND	ND	0.13
URS-381/L4C1/021011	10-Feb-11	11B0226-03	ND	ND	ND	ND	2.2	ND	ND	ND	ND	2.2
URS-381A/L4C1/022311	23-Feb-11	11B0502-01	ND	ND	ND	ND	0.32	ND	ND	ND	ND	0.32
URS-382/L4C1/021011	10-Feb-11	11B0226-07	ND	ND	ND	ND	0.43	ND	ND	ND	ND	0.43
URS-383/L4C1/021011	10-Feb-11	11B0226-10	ND	ND	ND	ND	0.51	ND	ND	ND	ND	0.51
URS-384/L4C1/021011	10-Feb-11	11B0226-12	ND	ND	ND	ND	2.3*	ND	ND	ND	ND	2.3
URS-385/L4C1/021011	10-Feb-11	11B0226-14	ND	ND	ND	ND	0.16	ND	ND	ND	ND	0.16
URS-386/L4C1/021011	10-Feb-11	11B0226-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-387/L4C1/021011	10-Feb-11	11B0226-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-388/L4C1/021011	10-Feb-11	11B0226-13	ND	ND	ND	ND	0.39	0.37	ND	ND	ND	0.76
URS-389/L4C1/021011	10-Feb-11	11B0226-11	ND	ND	ND	ND	0.24	ND	ND	ND	ND	0.24
URS-390/L4C1/021011	10-Feb-11	11B0226-08	ND	ND	ND	ND	0.75	0.38	ND	ND	ND	1.13
URS-390/DUP	10-Feb-11	11B0226-09	ND	ND	ND	ND	0.4	ND	ND	ND	ND	0.4
URS-390A/L4C1/022311	23-Feb-11	11B0502-02	ND	ND	ND	ND	0.22	ND	ND	ND	ND	0.22

Table 1C
Garage Zone C Concrete Sampling Results
Former Worcester Commons Outlet Garage, Worcester, Massachusetts

LOCATION	SAMPLING DATE	Lab Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-391/L4C1/021011	10-Feb-11	11B0226-06	ND	ND	ND	ND	0.5	ND	ND	ND	ND	**0.5**
URS-392/L4C1/021011	10-Feb-11	11B0226-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-393/L4C1/021011	10-Feb-11	11B0226-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-394/L4C1/021011	10-Feb-11	11B0226-01	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-395/L4C2/021411	14-Feb-11	11B0286-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-396/L4C2/021411	14-Feb-11	11B0286-14	ND	ND	ND	ND	0.14	ND	ND	ND	ND	**0.14**
URS-397/L4C2/021411	14-Feb-11	11B0286-15	ND	ND	ND	ND	1.4	ND	ND	ND	ND	**1.4**
URS-397A/L4C2/022311	23-Feb-11	11B0502-03	ND	ND	ND	ND	0.4	ND	ND	ND	ND	**0.4**
URS-398/L4C2/021411	14-Feb-11	11B0286-16	ND	ND	ND	ND	0.5	ND	ND	ND	ND	**0.5**
URS-399/L4C2/021411	14-Feb-11	11B0286-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-400/L4C2/021411	14-Feb-11	11B0286-08	ND	ND	ND	ND	0.35	ND	ND	ND	ND	**0.35**
URS-401/L4C2/021411	14-Feb-11	11B0286-09	ND	ND	ND	ND	0.67	ND	ND	ND	ND	**0.67**
URS-402/L4C2/021411	14-Feb-11	11B0286-10	ND	ND	ND	ND	0.29	ND	ND	ND	ND	**0.29**
URS-402/DUP	14-Feb-11	11B0286-11	ND	ND	ND	ND	0.24	ND	ND	ND	ND	**0.24**
URS-403/L4C2/021411	14-Feb-11	11B0286-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-404/L5C1/021411	14-Feb-11	11B0286-01	ND	ND	ND	ND	0.23	ND	ND	ND	ND	**0.23**
URS-405/L5C1/021411	14-Feb-11	11B0286-02	ND	ND	ND	ND	0.25	ND	ND	ND	ND	**0.25**
URS-406/L5C1/021411	14-Feb-11	11B0286-03	ND	ND	ND	ND	0.25	ND	ND	ND	ND	**0.25**
URS-407/L5C1/021411	14-Feb-11	11B0286-04	ND	ND	ND	ND	0.34	ND	ND	ND	ND	**0.34**
URS-408/L5C1/021411	14-Feb-11	11B0286-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-409/L4C2/021411	14-Feb-11	11B0286-17	ND	ND	ND	ND	0.53	ND	ND	ND	ND	**0.53**
URS-410/L4C2/021511	15-Feb-11	11B0310-01	ND	ND	ND	ND	0.29	ND	ND	ND	ND	**0.29**
URS-411/L4C2/021511	15-Feb-11	11B0310-02	ND	ND	ND	ND	0.32	ND	ND	ND	ND	**0.32**
URS-412/L4C2/021511	15-Feb-11	11B0310-03	ND	ND	ND	ND	0.98	ND	ND	ND	ND	**0.98**
URS-413/L4C2/021511	15-Feb-11	11B0310-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-414/L4C2/021511	15-Feb-11	11B0310-06	ND	ND	ND	ND	0.71	ND	ND	ND	ND	**0.71**
URS-415/L4C2/021511	15-Feb-11	11B0310-07	ND	ND	ND	ND	0.86	0.37	ND	ND	ND	**1.23**
URS-415A/L4C2/022311	23-Feb-11	11B0502-07	ND	ND	ND	ND	0.62	ND	ND	ND	ND	**0.62**
URS-416/L4C2/021511	15-Feb-11	11B0310-08	ND	ND	ND	ND	0.85	ND	ND	ND	ND	**0.85**
URS-417/L4C2/021511	15-Feb-11	11B0310-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-418/L4C2/021511	15-Feb-11	11B0310-10	ND	ND	ND	ND	0.1	ND	ND	ND	ND	**0.1**

Table 1C
Garage Zone C Concrete Sampling Results
Former Worcester Commons Outlet Garage, Worcester, Massachusetts

LOCATION	SAMPLING DATE	Lab Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-419/L4C2/021511	15-Feb-11	11B0310-11	ND	ND	ND	ND	2.7	1.2	ND	ND	ND	**3.9**
URS-419A/L4C2/022311	23-Feb-11	11B0502-06	ND	ND	ND	ND	0.36	ND	ND	ND	ND	**0.36**
URS-420/L4C2/021511	15-Feb-11	11B0310-12	ND	ND	ND	ND	2.3	0.92	ND	ND	ND	**3.22**
URS-420/DUP	15-Feb-11	11B0310-13	ND	ND	ND	ND	1.5	0.6	ND	ND	ND	**2.1**
URS-420A/L4C2/022311	23-Feb-11	11B0502-05	ND	ND	ND	ND	0.38	ND	ND	ND	ND	**0.38**
URS-421/L4C2/021511	15-Feb-11	11B0310-14	ND	ND	ND	ND	2.1	0.68	ND	ND	ND	**2.78**
URS-421A/L4C2/022311	23-Feb-11	11B0502-04	ND	ND	ND	ND	0.78	ND	ND	ND	ND	**0.78**
URS-422/L4C2/021511	15-Feb-11	11B0310-15	ND	ND	ND	ND	0.47	ND	ND	ND	ND	**0.47**
URS-423/L4C2/021511	15-Feb-11	11B0310-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-424/L4C2/021411	14-Feb-11	11B0286-19	ND	ND	ND	ND	0.39	ND	ND	ND	ND	**0.39**
URS-425/L4C2/021411	14-Feb-11	11B0286-18	ND	ND	ND	ND	0.72	ND	ND	ND	ND	**0.72**
URS-426/L4C2/021511	15-Feb-11	11B0310-16	ND	ND	ND	ND	0.093	ND	ND	ND	ND	**0.093**
URS-427/L4C2/021511	15-Feb-11	11B0310-17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-428/L4C2/021511	15-Feb-11	11B0310-18	ND	ND	ND	ND	ND	0.26	ND	ND	ND	**0.26**
URS-429/L4C2/021511	15-Feb-11	11B0310-19	ND	ND	ND	ND	0.45	0.44	ND	ND	ND	**0.89**
URS-430/L4C2/021511	15-Feb-11	11B0310-20	ND	ND	ND	ND	ND	0.35	ND	ND	ND	**0.35**
URS-431/L4C2/022211	22-Feb-11	11B0468-01	ND	ND	ND	ND	0.88	ND	ND	ND	ND	**0.88**
URS-432/L4C2/022211	22-Feb-11	11B0468-02	ND	ND	ND	ND	0.54	ND	ND	ND	ND	**0.54**
URS-433/L4C2/022211	22-Feb-11	11B0468-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-434/L4C2/022211	22-Feb-11	11B0468-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-435/L4C1/022211	22-Feb-11	11B0468-05	ND	ND	ND	ND	0.77	ND	ND	ND	ND	**0.77**
URS-436/L4C1/022211	22-Feb-11	11B0468-06	ND	ND	ND	ND	0.1	ND	ND	ND	ND	**0.1**
URS-437/L4C1/022211	22-Feb-11	11B0468-07	ND	ND	ND	ND	0.75	ND	ND	ND	ND	**0.75**
URS-438/L4C1/022411	24-Feb-11	11B0544-01	ND	ND	ND	ND	0.13	ND	ND	ND	ND	**0.13**
URS-439/L4C1/022411	24-Feb-11	11B0544-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-440/L4C1/022411	24-Feb-11	11B0544-03	ND	ND	ND	ND	0.24	ND	ND	ND	ND	**0.24**
URS-440/DUP	24-Feb-11	11B0544-04	ND	ND	ND	ND	0.19	ND	ND	ND	ND	**0.19**
URS-441/L4C1/022411	24-Feb-11	11B0544-05	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-442/L4C1/022411	24-Feb-11	11B0544-06	ND	ND	ND	ND	0.13	ND	ND	ND	ND	**0.13**
URS-443/L3B/030211	02-Mar-11	11C0069-06	ND	ND	ND	ND	0.13	ND	ND	ND	ND	**0.13**
URS-444/L4C1/030211	02-Mar-11	11C0069-05	ND	ND	ND	ND	0.2	0.32	ND	ND	ND	**0.52**

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URS-445/L4C1/030211	02-Mar-11	11C0069-04	ND	ND	ND	ND	0.26	ND	ND	ND	ND	**0.26**
URS-446/L4C1/030211	02-Mar-11	11C0069-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-447/L4C1/030211	02-Mar-11	11C0069-02	ND	ND	ND	ND	0.65	ND	ND	ND	ND	**0.65**
URS-448/L4C1/030211	02-Mar-11	11C0069-01	ND	ND	ND	ND	0.97	ND	ND	ND	ND	**0.97**
URS-449/L4C1/022811	28-Feb-11	11B0610-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-450/L4C1/022811	28-Feb-11	11B0610-10	ND	ND	ND	ND	0.47	ND	ND	ND	ND	**0.47**
URS-451/L4C1/022811	28-Feb-11	11B0610-09	ND	ND	ND	ND	0.25	ND	ND	ND	ND	**0.25**
URS-452/L4C1/022811	28-Feb-11	11B0610-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-452/DUP	28-Feb-11	11B0610-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-453/L4C2/022811	28-Feb-11	11B0610-06	ND	ND	ND	ND	0.33	ND	ND	ND	ND	**0.33**
URS-454/L4C2/022811	28-Feb-11	11B0610-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-455/L4C2/022811	28-Feb-11	11B0610-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-456/L4C2/022811	28-Feb-11	11B0610-03	ND	ND	ND	ND	0.19	ND	ND	ND	ND	**0.19**
URS-457/L4C2/022811	28-Feb-11	11B0610-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-458/L4C2/022811	28-Feb-11	11B0610-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-459/L3C1/022411	24-Feb-11	11B0544-07	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-460/L3C1/022411	24-Feb-11	11B0544-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-461/L3C1/022411	24-Feb-11	11B0544-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-462/L3C1/022411	24-Feb-11	11B0544-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-463/L3C1/022411	24-Feb-11	11B0544-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-464/L3C1/022411	24-Feb-11	11B0544-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-465/L3C1/022411	24-Feb-11	11B0544-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-466/L3C2/022411	24-Feb-11	11B0544-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-467/L3C2/022411	24-Feb-11	11B0544-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-468/L3C2/022411	24-Feb-11	11B0544-17	ND	ND	ND	ND	0.1	ND	ND	ND	ND	**0.1**
URS-469/L3C2/022411	24-Feb-11	11B0544-18	ND	ND	ND	ND	0.25	ND	ND	ND	ND	**0.25**
URS-470/L3C2/022411	24-Feb-11	11B0544-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-471/L3C2/030211	02-Mar-11	11C0069-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-472/L3C2/030211	02-Mar-11	11C0069-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-473/L3C2/030211	02-Mar-11	11C0069-09	ND	ND	ND	ND	0.37	ND	ND	ND	ND	**0.37**
URS-474/L3C2/030211	02-Mar-11	11C0069-10	ND	ND	ND	ND	0.13	ND	ND	ND	ND	**0.13**

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URS-475/L3C2/030211	02-Mar-11	11C0069-11	ND	ND	ND	ND	0.1	ND	ND	ND	ND	**0.1**
URS-476/L3C2/030211	02-Mar-11	11C0069-12	ND	ND	ND	ND	0.31	0.32	ND	ND	ND	**0.63**
URS-477/L3C2/030211	02-Mar-11	11C0069-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-478/L3C2/030211	02-Mar-11	11C0069-14	ND	ND	ND	ND	0.22	ND	ND	ND	ND	**0.22**
URS-479/L3C2/030211	02-Mar-11	11C0069-15	ND	ND	ND	ND	1.1	ND	ND	ND	ND	**1.1**
URS-479A/L3C2/030911	09-Mar-11	11C0245-10	ND	ND	ND	ND	0.94	0.48	ND	ND	ND	**1.42**
URS-479B/L3C2/032311	23-Mar-11	11C0714-04	ND	ND	ND	ND	0.19	ND	ND	ND	ND	**0.19**
URS-480/L3C1/030211	02-Mar-11	11C0069-16	ND	ND	ND	ND	0.24	ND	ND	ND	ND	**0.24**
URS-481/L3C1/030211	02-Mar-11	11C0069-17	ND	ND	ND	ND	0.27	0.17	ND	ND	ND	**0.44**
URS-482/L3C2/030211	02-Mar-11	11C0069-18	ND	ND	ND	ND	0.26	ND	ND	ND	ND	**0.26**
URS-483/L3C2/030311	03-Mar-11	11C0105-01	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-483/DUP	03-Mar-11	11C0105-02	ND	ND	ND	ND	0.1	ND	ND	ND	ND	**0.1**
URS-484/L3C2/030311	03-Mar-11	11C0105-03	ND	ND	ND	ND	0.21	ND	ND	ND	ND	**0.21**
URS-485/L3C2/030311	03-Mar-11	11C0105-04	ND	ND	ND	ND	0.35	ND	ND	ND	ND	**0.35**
URS-486/L3C1/030311	03-Mar-11	11C0105-05	ND	ND	ND	ND	0.28	ND	ND	ND	ND	**0.28**
URS-487/L3C1/030311	03-Mar-11	11C0105-06	ND	ND	ND	ND	0.23	ND	ND	ND	ND	**0.23**
URS-488/L3C1/030311	03-Mar-11	11C0105-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-489/L3C1/030311	03-Mar-11	11C0105-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-490/L3C1/030311	03-Mar-11	11C0105-09	ND	ND	ND	ND	0.7	ND	ND	ND	ND	**0.7**
URS-491/L3C1/030311	03-Mar-11	11C0105-10	ND	ND	ND	ND	0.42	ND	ND	ND	ND	**0.42**
URS-492/L3C1/030311	03-Mar-11	11C0105-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-493/L2C1/030711	07-Mar-11	11C0180-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-494/L2C1/030711	07-Mar-11	11C0180-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-495/L2C1/030711	07-Mar-11	11C0180-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-496/L2C1/030711	07-Mar-11	11C0180-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-497/L2C1/030711	07-Mar-11	11C0180-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-498/L2C1/030711	07-Mar-11	11C0180-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-499/L2C1/030711	07-Mar-11	11C0180-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-500/L2C1/030711	07-Mar-11	11C0180-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-501/L2C2/030711	07-Mar-11	11C0180-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-502/L2C2/030711	07-Mar-11	11C0180-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1C
Garage Zone C Concrete Sampling Results
Former Worcester Commons Outlet Garage, Worcester, Massachusetts

LOCATION	SAMPLING DATE	Lab Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-503/L2C2/030711	07-Mar-11	11C0180-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-504/L2C2/030711	07-Mar-11	11C0180-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-504/DUP	07-Mar-11	11C0180-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-505/L2C2/030711	07-Mar-11	11C0180-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-506/L2C2/030711	07-Mar-11	11C0180-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-507/L2C2/030711	07-Mar-11	11C0180-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-508/L2C2/030711	07-Mar-11	11C0180-17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-509/L2C2/030711	07-Mar-11	11C0180-18	ND	ND	ND	ND	0.28	ND	ND	ND	ND	**0.28**
URS-510/L2C2/030711	07-Mar-11	11C0180-19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-511/L2C2/030711	07-Mar-11	11C0180-20	ND	ND	ND	ND	0.13	ND	ND	ND	ND	**0.13**
URS-512/L2C2/030911	09-Mar-11	11C0245-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-513/L2C2/030911	09-Mar-11	11C0245-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-514/L2C2/030911	09-Mar-11	11C0245-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-515/L2C1/030911	09-Mar-11	11C0245-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-516/L2C1/030911	09-Mar-11	11C0245-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-517/L2C1/030911	09-Mar-11	11C0245-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-518/L2C1/030911	09-Mar-11	11C0245-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-519/L2C1/030911	09-Mar-11	11C0245-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-520/L2C1/030911	09-Mar-11	11C0245-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-521/L2C2/031011	10-Mar-11	11C0297-01	ND	ND	ND	ND	0.94	ND	ND	ND	ND	**0.94**
URS-522/L2C2/031011	10-Mar-11	11C0297-02	ND	ND	ND	ND	0.94	ND	ND	ND	ND	**0.94**
URS-523/L2C2/031011	10-Mar-11	11C0297-03	ND	ND	ND	ND	0.94	ND	ND	ND	ND	**0.94**
URS-524/L2C2/031011	10-Mar-11	11C0297-04	ND	ND	ND	ND	11	ND	ND	ND	ND	**11**
URS-524/DUP	10-Mar-11	11C0297-05	ND	ND	ND	ND	3.1	ND	ND	ND	ND	**3.1**
URS-524A/L2C2/032311	23-Mar-11	11C0714-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-525/L2C2/031011	10-Mar-11	11C0297-06	ND	ND	ND	ND	0.13	ND	ND	ND	ND	**0.13**
URS-526/L2C2/031011	10-Mar-11	11C0297-07	ND	ND	ND	ND	0.15	ND	ND	ND	ND	**0.15**
URS-527/L2C1/031011	10-Mar-11	11C0297-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-528/L2C2/031011	10-Mar-11	11C0297-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-529/L2C2/031011	10-Mar-11	11C0297-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-530/L2C2/031011	10-Mar-11	11C0297-11	ND	ND	ND	ND	4.6	ND	ND	ND	ND	**4.6**

Table 1C
Garage Zone C Concrete Sampling Results
Former Worcester Commons Outlet Garage, Worcester, Massachusetts

LOCATION	SAMPLING DATE	Lab Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-530A/L2C2/032311	23-Mar-11	11C0714-03	ND	ND	ND	ND	0.23	ND	ND	ND	ND	**0.23**
URS-531/L2C2/031011	10-Mar-11	11C0297-12	ND	ND	ND	ND	0.18	ND	ND	ND	ND	**0.18**
URS-532/L2C2/031011	10-Mar-11	11C0297-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-533/L3C1/031011	10-Mar-11	11C0297-14	ND	ND	ND	ND	0.15	ND	ND	ND	ND	**0.15**
URS-534/L3C1/031011	10-Mar-11	11C0297-15	ND	ND	ND	ND	0.17	ND	ND	ND	ND	**0.17**
URS-535/L3C1/031011	10-Mar-11	11C0297-16	ND	ND	ND	ND	0.15	ND	ND	ND	ND	**0.15**
URS-536/L3C1/031011	10-Mar-11	11C0297-17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-537/L3C1/031011	10-Mar-11	11C0297-18	ND	ND	ND	ND	0.38	ND	ND	ND	ND	**0.38**
URS-538/L3C1/031011	10-Mar-11	11C0297-19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-539/L3C1/031011	10-Mar-11	11C0297-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-540/L3C1/031011	10-Mar-11	11C0297-21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-541/L3C1/031011	10-Mar-11	11C0297-22	ND	ND	ND	ND	4.2	ND	ND	ND	ND	**4.2**
URS-541A/L3C1/032311	23-Mar-11	11C0714-01	ND	ND	ND	ND	0.27	ND	ND	ND	ND	**0.27**
URS-542/L3C1/031011	10-Mar-11	11C0297-23	ND	ND	ND	ND	0.45	ND	ND	ND	ND	**0.45**
URS-543/L3C1/03111	11-Mar-11	11C0340-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-544/L3C1/03111	11-Mar-11	11C0340-02	ND	ND	ND	ND	0.16	ND	ND	ND	ND	**0.16**
URS-545/L3C1/03111	11-Mar-11	11C0340-03	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-546/L3C1/03111	11-Mar-11	11C0340-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-546/DUP	11-Mar-11	11C0340-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-547/L3C1/03111	11-Mar-11	11C0340-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-548/L3C1/03111	11-Mar-11	11C0340-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-549/L3C1/03111	11-Mar-11	11C0340-08	ND	ND	ND	ND	0.13	ND	ND	ND	ND	**0.13**
URS-550/L3C1/03111	11-Mar-11	11C0340-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-551/L3C2/03111	11-Mar-11	11C0340-10	ND	ND	ND	ND	0.13	ND	ND	ND	ND	**0.13**
URS-552/L3C2/03111	11-Mar-11	11C0340-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-553/L3C2/03111	11-Mar-11	11C0340-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-554/L3C2/03111	11-Mar-11	11C0340-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-555/L3C2/031411	14-Mar-11	11C0383-02	ND	ND	ND	ND	0.16	ND	ND	ND	ND	**0.16**
URS-556/L3C2/031411	14-Mar-11	11C0383-01	ND	ND	ND	ND	0.14	ND	ND	ND	ND	**0.14**
URS-557/L3C2/031411	14-Mar-11	11C0383-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-558/L3C2/031411	14-Mar-11	11C0383-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1C
Garage Zone C Concrete Sampling Results
Former Worcester Commons Outlet Garage, Worcester, Massachusetts

LOCATION	SAMPLING DATE	Lab Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-559/L3C2/031411	14-Mar-11	11C0383-05	ND	ND	ND	ND	0.53	ND	ND	ND	ND	**0.53**
URS-560/L3C2/031411	14-Mar-11	11C0383-06	ND	ND	ND	ND	0.23	ND	ND	ND	ND	**0.23**
URS-561/L3C2/031411	14-Mar-11	11C0383-07	ND	ND	ND	ND	3.8	ND	ND	ND	ND	**3.8**
URS-561A/L6C1/032111	21-Mar-11	11C0619-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-562/L3C2/031411	14-Mar-11	11C0383-08	ND	ND	ND	ND	0.17	ND	ND	ND	ND	**0.17**
URS-563/L3C2/031411	14-Mar-11	11C0383-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-564/L3C2/031411	14-Mar-11	11C0383-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-565/L6C2/031511	15-Mar-11	11C0439-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-566/L6C2/031511	15-Mar-11	11C0439-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-567/L6C2/031511	15-Mar-11	11C0439-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-568/L6C2/031511	15-Mar-11	11C0439-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-569/L6C2/031511	15-Mar-11	11C0439-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-570/L6C2/031511	15-Mar-11	11C0439-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-571/L6C2/031511	15-Mar-11	11C0439-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-572/L6C2/031511	15-Mar-11	11C0439-03	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-573/L6C2/031511	15-Mar-11	11C0439-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-573/DUP	15-Mar-11	11C0439-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-574/L6C2/032111	21-Mar-11	11C0619-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-575/L6C2/032111	21-Mar-11	11C0619-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-576/L6C2/032111	21-Mar-11	11C0619-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-577/L6C1/032111	21-Mar-11	11C0619-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-578/L6C1/032111	21-Mar-11	11C0619-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-579/L6C1/032111	21-Mar-11	11C0619-06	ND	ND	ND	ND	0.57	ND	ND	ND	ND	**0.57**
URS-580/L6C1/032311	23-Mar-11	11C0714-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-581/L6C1/032311	23-Mar-11	11C0714-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-582/L6C1/032311	23-Mar-11	11C0714-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-583/L6C1/032311	23-Mar-11	11C0714-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-584/L6C1/032311	23-Mar-11	11C0714-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-585/L6C1/032311	23-Mar-11	11C0714-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-586/L6C2/032311	23-Mar-11	11C0714-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-587/L6C2/032311	23-Mar-11	11C0714-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1C
Garage Zone C Concrete Sampling Results
Former Worcester Commons Outlet Garage, Worcester, Massachusetts

LOCATION	SAMPLING DATE	Lab Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-588/L6C2/032311	23-Mar-11	11C0714-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-589/L6C2/032311	23-Mar-11	11C0714-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-590/L6C2/032311	23-Mar-11	11C0714-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-591/L6C2/033111	31-Mar-11	11C0982-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-592/L6C2/033111	31-Mar-11	11C0982-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-593/L6C2/033111	31-Mar-11	11C0982-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-594/L6C2/033111	31-Mar-11	11C0982-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-595/L6C2/033111	31-Mar-11	11C0982-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-596/L6C2/033111	31-Mar-11	11C0982-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-597/L3C2/032111	21-Mar-11	11C0619-08	ND	ND	ND	ND	0.17	ND	ND	ND	ND	**0.17**
URS-598/L3C1/032111	21-Mar-11	11C0619-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-599/L4C1/032111	21-Mar-11	11C0619-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-600/L4C1/032111	21-Mar-11	11C0619-11	ND	ND	ND	ND	1.2	ND	ND	ND	ND	**1.2**
URS-600A/L4C1/033111	31-Mar-11	11C0982-17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-601/L4C1/032211	22-Mar-11	11C0659-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-602/L4C1/032211	22-Mar-11	11C0659-02	ND	ND	ND	ND	0.68	ND	ND	ND	ND	**0.68**
URS-603/L4C1/032211	22-Mar-11	11C0659-03	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-604/L4C1/032211	22-Mar-11	11C0659-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-605/L4C1/032211	22-Mar-11	11C0659-05	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-606/L4C1/032211	22-Mar-11	11C0659-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-606/DUP	22-Mar-11	11C0659-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-607/L4C1/032211	22-Mar-11	11C0659-08	ND	ND	ND	ND	3	ND	ND	ND	ND	**3**
URS-607A/L4C1/033111	31-Mar-11	11C0982-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-608/L4C1/032211	22-Mar-11	11C0659-09	ND	ND	ND	ND	0.21	ND	ND	ND	ND	**0.21**
URS-609/L4C1/032211	22-Mar-11	11C0659-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-610/L4C1/032211	22-Mar-11	11C0659-11	ND	ND	ND	ND	3.7	ND	ND	ND	ND	**3.7**
URS-610A/L4C1/033111	31-Mar-11	11C0982-18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-611/L3C2/032211	22-Mar-11	11C0659-12	ND	ND	ND	ND	0.16	ND	ND	ND	ND	**0.16**
URS-612/L2C2/032811	28-Mar-11	11C0841-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-612/DUP	28-Mar-11	11C0841-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-613/L2C2/032811	28-Mar-11	11C0841-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1C
Garage Zone C Concrete Sampling Results
Former Worcester Commons Outlet Garage, Worcester, Massachusetts

LOCATION	SAMPLING DATE	Lab Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-614/L2C2/032811	28-Mar-11	11C0841-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-615/L2C2/032811	28-Mar-11	11C0841-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-616/L2C2/032811	28-Mar-11	11C0841-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-617/L2C2/032811	28-Mar-11	11C0841-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-618/L2C2/032811	28-Mar-11	11C0841-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-619/L2C1/032811	28-Mar-11	11C0841-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-620/L2C2/032811	28-Mar-11	11C0841-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-621/L2C2/032811	28-Mar-11	11C0841-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-622/L2C2/032811	28-Mar-11	11C0841-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-623/L2C2/032811	28-Mar-11	11C0841-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-624/L2C2/032811	28-Mar-11	11C0841-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-625/L2C2/032811	28-Mar-11	11C0841-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-626/L2C2/032811	28-Mar-11	11C0841-16	ND	ND	ND	ND	0.56	ND	ND	ND	ND	**0.56**
URS-627/L2C2/032811	28-Mar-11	11C0841-17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-628/L2C1/032911	29-Mar-11	11C0888-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-629/L2C1/032911	29-Mar-11	11C0888-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-630/L2C1/032911	29-Mar-11	11C0888-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-631/L2C1/032911	29-Mar-11	11C0888-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-632/L2C1/032911	29-Mar-11	11C0888-05	ND	ND	ND	ND	1.1	ND	ND	ND	ND	**1.1**
URS-632A/L2C1/040511	05-Apr-11	11D0132-06	ND	ND	ND	ND	0.27	ND	ND	ND	ND	**0.27**
URS-633/L2C1/032911	29-Mar-11	11C0888-06	ND	ND	ND	ND	0.15	ND	ND	ND	ND	**0.15**
URS-633/DUP	29-Mar-11	11C0888-07	ND	ND	ND	ND	0.14	ND	ND	ND	ND	**0.14**
URS-634/L2C1/032911	29-Mar-11	11C0888-08	ND	ND	ND	ND	0.21	ND	ND	ND	ND	**0.21**
URS-635/L2C1/032911	29-Mar-11	11C0888-09	ND	ND	ND	ND	0.66	ND	ND	ND	ND	**0.66**
URS-636/L2C1/032911	29-Mar-11	11C0888-10	ND	ND	ND	ND	0.46	ND	ND	ND	ND	**0.46**
URS-637/L2C1/032911	29-Mar-11	11C0888-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-638/L2C1/032911	29-Mar-11	11C0888-12	ND	ND	ND	ND	0.42	ND	ND	ND	ND	**0.42**
URS-639/L2C1/032911	29-Mar-11	11C0888-13	ND	ND	ND	ND	0.13	ND	ND	ND	ND	**0.13**
URS-640/L2C1/032911	29-Mar-11	11C0888-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-641/L2C1/032911	29-Mar-11	11C0888-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-642/L2C1/032911	29-Mar-11	11C0888-16	ND	ND	ND	ND	0.2	ND	ND	ND	ND	**0.2**

Table 1C
Garage Zone C Concrete Sampling Results
Former Worcester Commons Outlet Garage, Worcester, Massachusetts

LOCATION	SAMPLING DATE	Lab Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-643/L2C1/032911	29-Mar-11	11C0888-17	ND	ND	ND	ND	0.18	ND	ND	ND	ND	**0.18**
URS-644/L1C2/033011	30-Mar-11	11C0940-01	ND	ND	ND	ND	7.6	ND	ND	ND	ND	**7.6**
URS-644A/L1C2/040511	05-Apr-11	11D0132-05	ND	ND	ND	ND	0.26	ND	ND	ND	ND	**0.26**
URS-645/L1C2/033011	30-Mar-11	11C0940-02	ND	ND	ND	ND	0.7	ND	ND	ND	ND	**0.7**
URS-646/L1C2/033011	30-Mar-11	11C0940-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-647/L1C2/033011	30-Mar-11	11C0940-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-648/L1C2/033011	30-Mar-11	11C0940-05	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-649/L1C2/033011	30-Mar-11	11C0940-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-650/L1C2/033011	30-Mar-11	11C0940-07	ND	ND	ND	ND	0.22	ND	ND	ND	ND	**0.22**
URS-651/L1C2/033011	30-Mar-11	11C0940-08	ND	ND	ND	ND	0.71	ND	ND	ND	ND	**0.71**
URS-652/L1C2/033011	30-Mar-11	11C0940-09	ND	ND	ND	ND	0.14	ND	ND	ND	ND	**0.14**
URS-653/L1C2/033011	30-Mar-11	11C0940-10	ND	ND	ND	ND	0.17	ND	ND	ND	ND	**0.17**
URS-653/DUP	30-Mar-11	11C0940-11	ND	ND	ND	ND	0.23	ND	ND	ND	ND	**0.23**
URS-654/L1C2/033011	30-Mar-11	11C0940-12	ND	ND	ND	ND	0.16	ND	ND	ND	ND	**0.16**
URS-655/L1C2/033011	30-Mar-11	11C0940-13	ND	ND	ND	ND	0.32	ND	ND	ND	ND	**0.32**
URS-656/L1C2/033011	30-Mar-11	11C0940-14	ND	ND	ND	ND	0.19	ND	ND	ND	ND	**0.19**
URS-657/L1C2/033011	30-Mar-11	11C0940-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-658/L1C2/033011	30-Mar-11	11C0940-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-659/L1C2/033011	30-Mar-11	11C0940-17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-660/L1C2/033011	30-Mar-11	11C0940-18	ND	ND	ND	ND	0.16	ND	ND	ND	ND	**0.16**
URS-661/L1C2/040411	04-Apr-11	11D0093-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-662/L1C2/040411	04-Apr-11	11D0093-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-663/L1C2/040411	04-Apr-11	11D0093-03	ND	ND	ND	ND	1.3	ND	ND	ND	ND	**1.3**
URS-663A/L1C2/041211	12-Apr-11	11D0353-06	ND	ND	ND	ND	0.41	ND	ND	ND	ND	**0.41**
URS-664/L1C2/040411	04-Apr-11	11D0093-04	ND	ND	ND	ND	0.22	ND	ND	ND	ND	**0.22**
URS-665/L6C1/033111	31-Mar-11	11C0982-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-666/L6C1/033111	31-Mar-11	11C0982-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-667/L6C1/033111	31-Mar-11	11C0982-09	ND	ND	ND	ND	0.1	ND	ND	ND	ND	**0.1**
URS-668/L6C1/033111	31-Mar-11	11C0982-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-669/L6C1/033111	31-Mar-11	11C0982-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-670/L6C2/033111	31-Mar-11	11C0982-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1C
Garage Zone C Concrete Sampling Results
Former Worcester Commons Outlet Garage, Worcester, Massachusetts

LOCATION	SAMPLING DATE	Lab Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-671/L6C2/033111	31-Mar-11	11C0982-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-671/DUP	31-Mar-11	11C0982-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-672/L6C2/033111	31-Mar-11	11C0982-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-673/L1C2/040411	04-Apr-11	11D0093-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-674/L1C2/040411	04-Apr-11	11D0093-06	ND	ND	ND	ND	0.4	ND	ND	ND	ND	**0.4**
URS-675/L1C2/040411	04-Apr-11	11D0093-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-676/L1C2/040411	04-Apr-11	11D0093-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-677/L1C2/040411	04-Apr-11	11D0093-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-678/L1C2/040411	04-Apr-11	11D0093-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-679/L1C2/040411	04-Apr-11	11D0093-11	ND	ND	ND	ND	0.38	ND	ND	ND	ND	**0.38**
URS-680/L2C1/040511	05-Apr-11	11D0132-04	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-681/L2C1/040511	05-Apr-11	11D0132-03	ND	ND	ND	ND	0.77	ND	ND	ND	ND	**0.77**
URS-682/L2C1/040511	05-Apr-11	11D0132-02	ND	ND	ND	ND	0.17	ND	ND	ND	ND	**0.17**
URS-683/L2C1/040511	05-Apr-11	11D0132-01	ND	ND	ND	ND	0.91	ND	ND	ND	ND	**0.91**
URS-684/L1C2/040411	04-Apr-11	11D0093-12	ND	ND	ND	ND	0.23	ND	ND	ND	ND	**0.23**
URS-685/L1C2/040411	04-Apr-11	11D0093-13	ND	ND	ND	ND	1.9	ND	ND	ND	ND	**1.9**
URS-685A/L1C2/041211	12-Apr-11	11D0353-05	ND	ND	ND	ND	0.14	ND	ND	ND	ND	**0.14**
URS-686/L1C2/040411	04-Apr-11	11D0093-14	ND	ND	ND	ND	0.18	ND	ND	ND	ND	**0.18**
URS-687/L6C1/040611	06-Apr-11	11D0176-01	ND	ND	ND	ND	0.27	ND	ND	ND	ND	**0.27**
URS-688/L6C1/040611	06-Apr-11	11D0176-02	ND	ND	ND	ND	0.27	ND	ND	ND	ND	**0.27**
URS-688/DUP	06-Apr-11	11D0176-03	ND	ND	ND	ND	0.27	ND	ND	ND	ND	**0.27**
URS-689/L6C1/040611	06-Apr-11	11D0176-04	ND	ND	ND	ND	0.27	ND	ND	ND	ND	**0.27**
URS-690/L6C1/040611	06-Apr-11	11D0176-05	ND	ND	ND	ND	0.27	ND	ND	ND	ND	**0.27**
URS-691/L6C1/040611	06-Apr-11	11D0176-06	ND	ND	ND	ND	0.27	ND	ND	ND	ND	**0.27**
URS-692/L6C1/040611	06-Apr-11	11D0176-07	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-693/L6C1/040611	06-Apr-11	11D0176-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-694/L6C1/040611	06-Apr-11	11D0176-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-695/L6C1/040611	06-Apr-11	11D0176-10	ND	ND	ND	ND	0.21	ND	ND	ND	ND	**0.21**
URS-696/L2C1/040611	06-Apr-11	11D0176-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-697/L2C1/040611	06-Apr-11	11D0176-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-698/L2C1/040611	06-Apr-11	11D0176-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1C
Garage Zone C Concrete Sampling Results
Former Worcester Commons Outlet Garage, Worcester, Massachusetts

LOCATION	*SAMPLING DATE*	*Lab Sample ID*	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-699/L2C1/040611	06-Apr-11	11D0176-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-700/L2C1/040611	06-Apr-11	11D0176-15	ND	ND	ND	ND	0.23	ND	ND	ND	ND	**0.23**
URS-701/L1C1/040711	07-Apr-11	11D0213-01	ND	ND	ND	ND	0.19	ND	ND	ND	ND	**0.19**
URS-702/L1C1/040711	07-Apr-11	11D0213-02	ND	ND	ND	ND	0.38	ND	ND	ND	ND	**0.38**
URS-703/L1C1/040711	07-Apr-11	11D0213-03	ND	ND	ND	ND	0.78	ND	ND	ND	ND	**0.78**
URS-704/L1C1/040711	07-Apr-11	11D0213-04	ND	ND	ND	ND	2.1	ND	ND	ND	ND	**2.1**
URS-704A/L1C1/042011	20-Apr-11	11D0634-05	ND	ND	ND	ND	0.58	ND	ND	ND	ND	**0.58**
URS-705/L1C1/040711	07-Apr-11	11D0213-05	ND	ND	ND	ND	0.19	ND	ND	ND	ND	**0.19**
URS-706/L1C1/040711	07-Apr-11	11D0213-06	ND	ND	ND	ND	0.19	ND	ND	ND	ND	**0.19**
URS-707/L1C1/040711	07-Apr-11	11D0213-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-708/L1C1/040711	07-Apr-11	11D0213-08	ND	ND	ND	ND	0.25	ND	ND	ND	ND	**0.25**
URS-708/DUP	07-Apr-11	11D0213-09	ND	ND	ND	ND	0.25	ND	ND	ND	ND	**0.25**
URS-709/L1C1/040711	07-Apr-11	11D0213-10	ND	ND	ND	ND	0.36	ND	ND	ND	ND	**0.36**
URS-710/L2C1/060711	07-Jun-11	11F0204-01	ND	ND	ND	ND	0.26	ND	ND	ND	ND	**0.26**
URS-711/L2C1/060711	07-Jun-11	11F0204-02	ND	ND	ND	ND	0.21	ND	ND	ND	ND	**0.21**
URS-712/L1C1/060711	07-Jun-11	11F0204-03	ND	ND	ND	ND	0.12	ND	ND	ND	ND	**0.12**
URS-713/L1C1/060711	07-Jun-11	11F0204-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-714/L1C1/060911	09-Jun-11	11F0323-01	ND	ND	ND	ND	0.11	ND	ND	ND	ND	**0.11**
URS-715/L1C1/060911	09-Jun-11	11F0323-02	ND	ND	ND	ND	1	ND	ND	ND	ND	**1**
URS-716/L1C1/060911	09-Jun-11	11F0323-03	ND	ND	ND	ND	0.13	ND	ND	ND	ND	**0.13**
URS-717/L1C1/060911	09-Jun-11	11F0323-04	ND	ND	ND	ND	0.2	ND	ND	ND	ND	**0.2**
URS-718/L1C1/060911	09-Jun-11	11F0323-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-719/L1C1/060911	09-Jun-11	11F0323-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Units are in mg/kg Exceeds 1 mg/kg

* - Location was not resampled because entire area was recleaned after several failing results and multiple locations in the vicinity were resampled with satisfactory results

Table 2A
Garage Zone A Caulk Remediation Confirmatory Sample Summary
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

LOCATION	*SAMPLING DATE*	*Lab Sample ID*	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-C001/L5A/041111	11-Apr-11	11D0321-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
URS-C002/L5A/041111	11-Apr-11	11D0321-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
URS-C003/L5A/041111	11-Apr-11	11D0321-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
URS-C004/L5A/041111	11-Apr-11	11D0321-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
URS-C005/L5A/041111	11-Apr-11	11D0321-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
URS-C006/L5A/041111	11-Apr-11	11D0321-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
URS-C007/L4A/041111	11-Apr-11	11D0321-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
URS-C008/L4A/041111	11-Apr-11	11D0321-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
URS-C009/L4A/041211	12-Apr-11	11D0353-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
URS-C010/L4A/041211	12-Apr-11	11D0353-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
URS-C011/L1A/041211	12-Apr-11	11D0353-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
URS-C012/L3A/041211	12-Apr-11	11D0353-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
URS-C025/L2A/4292011	29-Apr-11	11D0937-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
URS-C026/L2A/4292011	29-Apr-11	11D0937-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**

Analyses in units of mg/kg

Samples collected in Quadrant C on 5/31/2011 were also Identified as URS-C025 and URS-C026.

Table 2B
Garage Zone B Caulk Remediation Confirmatory Sample Summary
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

LOCATION	SAMPLING DATE	Lab Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-C013/L5B/041911	19-Apr-11	11D0574-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C014/L5B/041911	19-Apr-11	11D0574-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C015/L5B/041911	19-Apr-11	11D0574-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C016/L5B/041911	19-Apr-11	11D0574-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C017/L5B/041911	19-Apr-11	11D0574-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C018/L5B/042011	20-Apr-11	11D0634-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C019/L4B/042011	20-Apr-11	11D0634-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C020/L4B/041911	19-Apr-11	11D0574-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C020 DUP	19-Apr-11	11D0574-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C021/L4B/041911	19-Apr-11	11D0574-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C022/L4B/041911	19-Apr-11	11D0574-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C023/L2B/042011	20-Apr-11	11D0634-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C024/L3B/042011	20-Apr-11	11D0634-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C053/L3B/102111	10/21/2011	11J0830-01	ND	ND	ND	ND	0.1	ND	ND	ND	ND	0.1
URS-C054/L3B/102111	10/21/2011	11J0830-01	ND	ND	ND	ND	0.096	ND	ND	ND	ND	0.096
URS-C055/L3B/102111	10/21/2011	11J0830-01	ND	ND	ND	ND	0.32	ND	ND	ND	ND	0.32
URS-C56/LSB/120811	12/8/2011	11L0309-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C057/L5B/120811	12/8/2010	11L0309-02	ND	ND	ND	ND	2.9	ND	ND	ND	ND	2.2
URS-C057/L5B/121311	12/13/2010	11L0475-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C058/L5B/120811	12/8/2011	11L0309-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C059/L5B/12/8/11	12/8/2011	11L0309-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C060/L5B/121311	12/13/2011	11L0475-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C061/L58/122211	22-Dec-11	11L0861-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C062/L4B/010412	04-Jan-12	12A0079-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C063/L4B/010412	04-Jan-12	12A0079-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C064/L3B/010412	04-Jan-12	12A0079-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C065/L3B/011112	11-Jan-12	12A0295-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C065/DUP	11-Jan-12	12A0295-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C066/L2B/011112	11-Jan-12	12A0295-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C067/L2B/011112	11-Jan-12	12A0295-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C068/L2B/011112	11-Jan-12	12A0295-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C069/L3B/012012	20-Jan-12	12A0634-01	ND	ND	ND	ND	ND	**8.8**	ND	ND	ND	**8.8**
URS-C069A/L3B/010112	01-Feb-12	12B0037-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C070/L1B/012012	20-Jan-12	12A0634-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C071/L3B/010112	01-Feb-12	12B0037-02	ND	ND	ND	ND	ND	0.14	ND	ND	ND	**0.14**

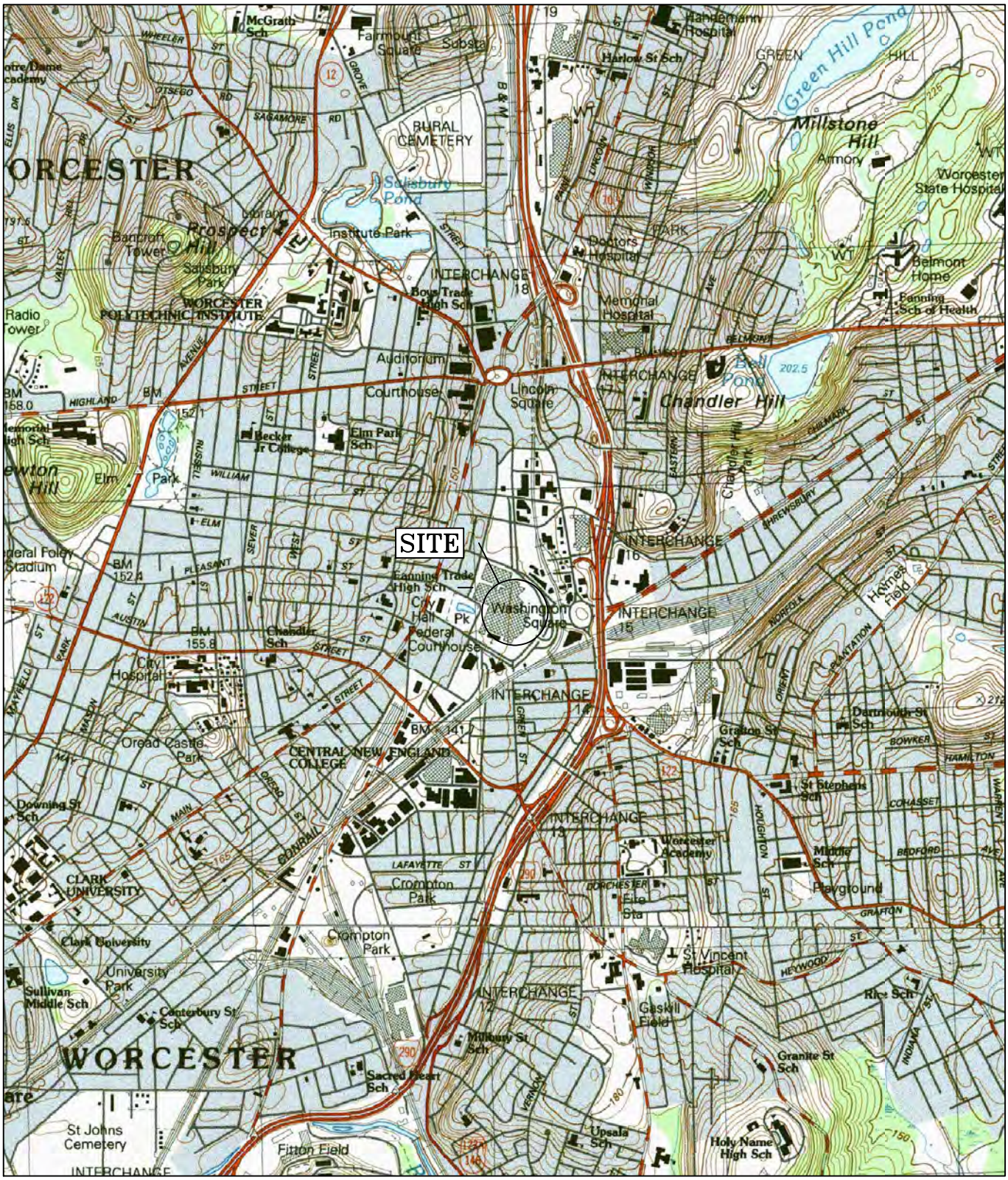
Table 2C
Garage Zone C Caulk Sampling Results
Former Worcester Commons Outlet Mall Garage, Worcester, Massachusetts

LOCATION	*SAMPLING DATE*	*Lab Sample ID*	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	TOTAL PCBs
URS-CO25/L5C1/053111	31-May-11	11F0043-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-CO26/L5C1/053111	31-May-11	11F0043-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-CO27/L5C1/053111	31-May-11	11F0043-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-CO28/L5C1/053111	31-May-11	11F0043-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-CO29/L5C1/060111	31-May-11	11F0043-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-CO30/L5C1/060111	31-May-11	11F0043-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-CO31/L5C2/060111	31-May-11	11F0043-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-CO32/L5C2/060111	31-May-11	11F0043-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-CO33/L5C2/060111	31-May-11	11F0043-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-CO34/L5C2/060111	31-May-11	11F0043-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-CO35/L5C2/060111	31-May-11	11F0043-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-CO36/L5C2/060111	31-May-11	11F0043-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-CO37/L5C2/060111	31-May-11	11F0043-13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-CO38/L5C2/060111	31-May-11	11F0043-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-CO39/L5C2/060111	31-May-11	11F0043-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-CO39/L5C2/060111 DUP	31-May-11	11F0043-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-CO40/L5C2/060111	31-May-11	11F0043-17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C041/L5C1/060211	02-Jun-11	11F0048-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C042/L5C1/060211	02-Jun-11	11F0048-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C043/L5C1/060211	02-Jun-11	11F0048-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C044/L5C1/060211	02-Jun-11	11F0048-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-CO45/L4C1/060911	09-Jun-11	11F0323-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-CO46/L4C2/060911	09-Jun-11	11F0323-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C047/L3C2/061011	10-Jun-11	11F0368-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C048/L3C2/061011	10-Jun-11	11F0368-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C049/L2C2/061511	15-Jun-11	11F0555-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C049/DUP	15-Jun-11	11F0555-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C050/L2C2/061511	15-Jun-11	11F0555-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C051/L1C1/061511	15-Jun-11	11F0555-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
URS-C052/L1C2/061511	15-Jun-11	11F0555-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Analyses in units of mg/kg

Samples collected in Quadrant A on 4/29/2011 were also Identified as URS-C025 and URS-C026

FIGURES

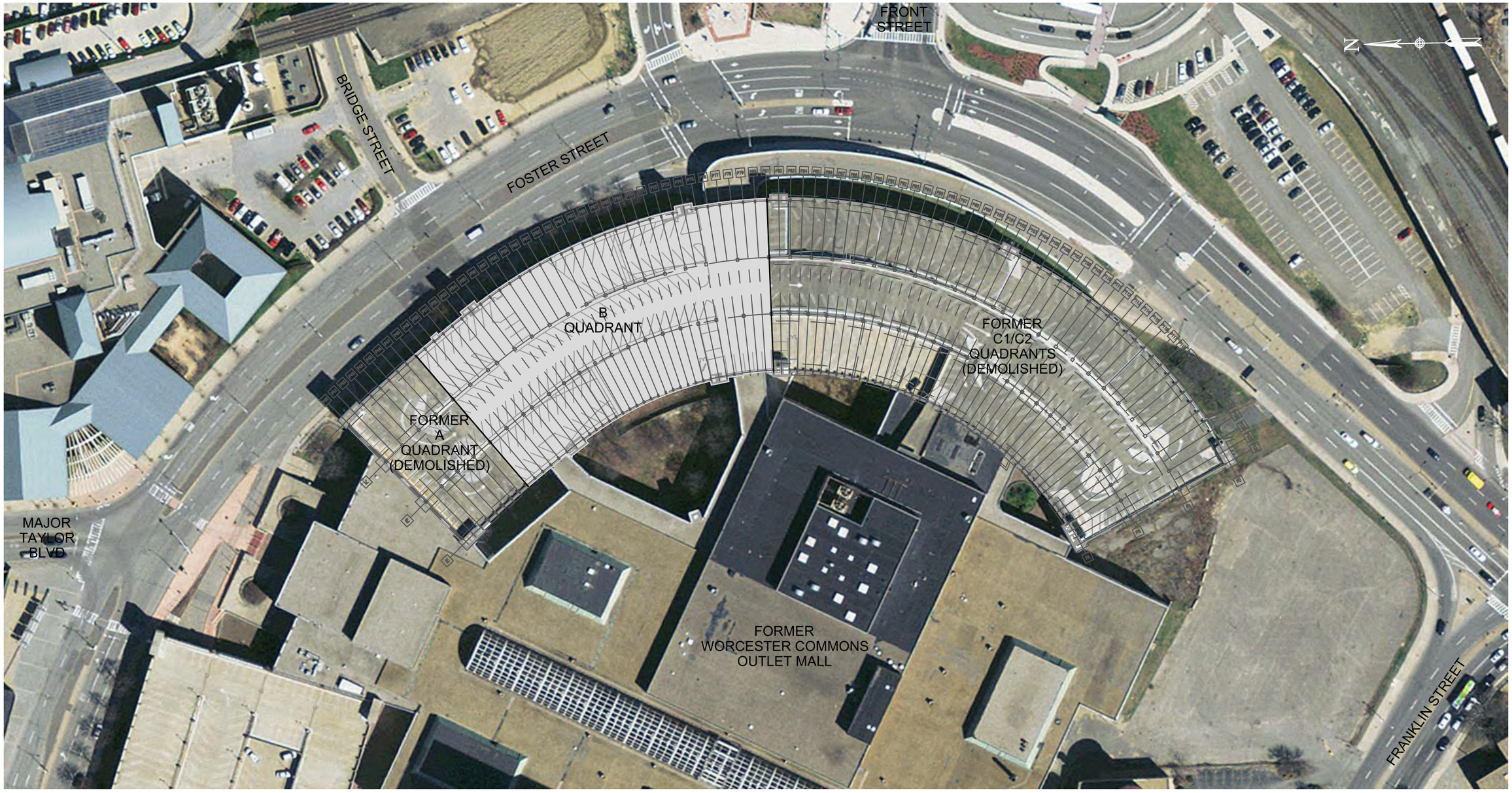


0 2,000 4,000

SCALE IN FEET

URS Corporation 5 Industrial Way Salem, NH 03079 Tel: 603.893.0616 Fax: 603.893.6240 www.urscorp.com	SCALE: 1:2000 DATE: JULY/ 2010 FILE NO: -- DESIGN: BJG APPROVED: MMW DRAWN: HAB	CLIENT: CITYSQUARE DEVELOPMENT CO., LLC PROJ: 100 FRONT STREET WORCESTER, MA PROJECT NO: 39743277	TITLE: SITE LOCUS	DRAWING NO.: 1

T:\ACAD-PROJECT\BEKERLEY INV-WORCESTER MA\PLANS\ASBESTOS LOCATION.DWG FIGURE 1 - SITE LOCUS 07/07/10 3:18PM



CITYSQUARE DEVELOPMENT CO., LLC

FORMER WORCESTER COMMONS OUTLET MALL GARAGE
FRONT STREET
WORCESTER MASSACHUSETTS

FIGURE 2
SITE PLAN

URS
5 Industrial Way
Salem, New Hampshire 03079
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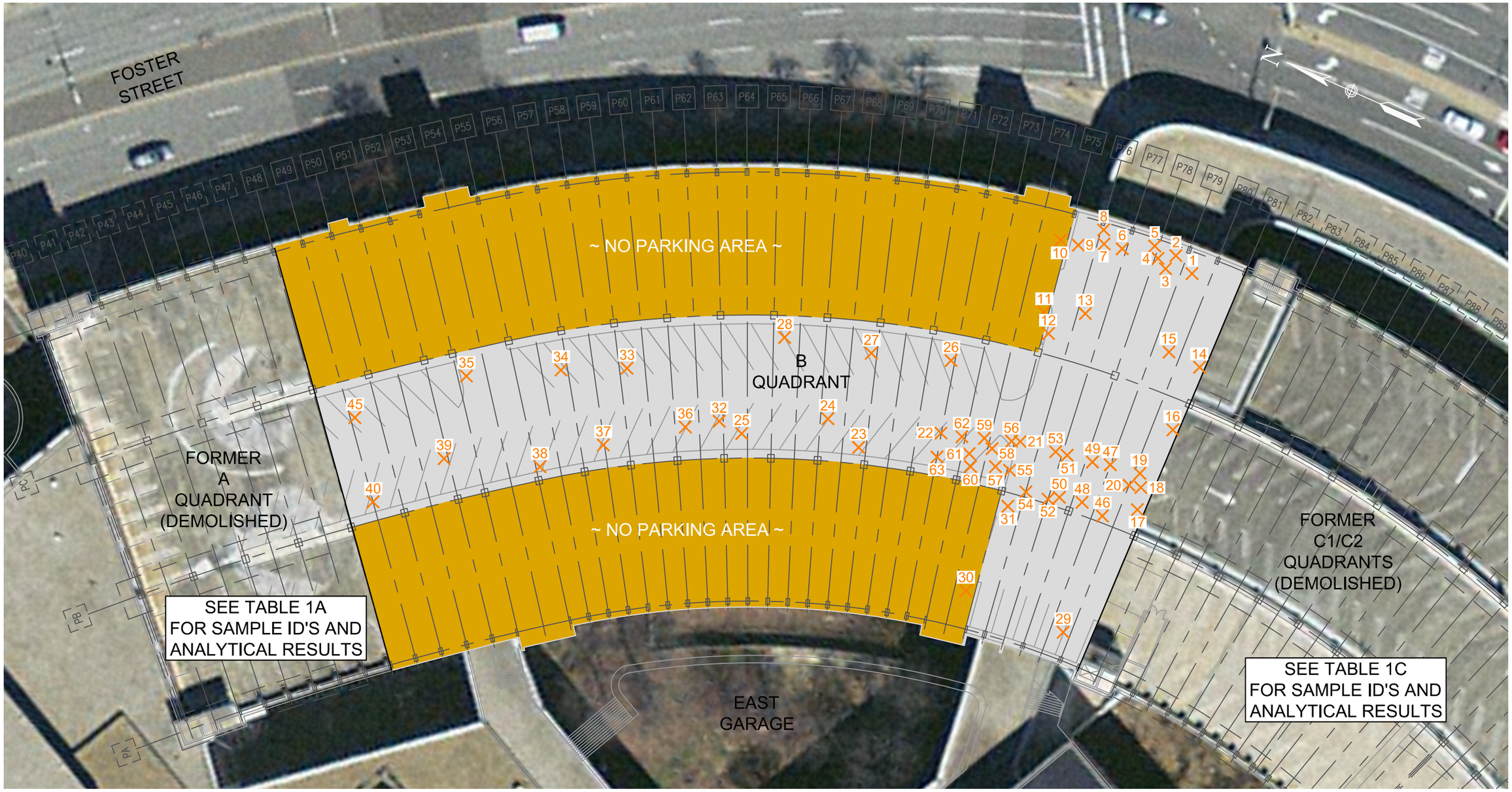
FAX: (603) 893-6240
http://www.urscorp.com

DRAWN BY: HAB	PROJECT NO.: 39743438	SHEET NO.:
CHECKED BY: JKH	SCALE: NTS	1 OF 1
APPROVED BY: JML	DATE: 11/12	

PLOTTED: 11/06/12 11:01PM BY:DENNIS_BURNHEIMER
LAST SAVED: 11/06/12 10:58PM BY:DENNIS_BURNHEIMER
DRAWING: T:\ACAD-PROJECT\BERKELEY INV-WORCESTER MA\PLANS\CONFIRMATORY SAMPLES SITE PLAN.DWG [SITE PLAN]



LEGEND

820 × PAINT SCARIFYING SAMPLE LOCATION

CITYSQUARE DEVELOPMENT CO., LLC

FORMER WORCESTER COMMONS OUTLET MALL GARAGE
FRONT STREET
WORCESTER MASSACHUSETTS

FIGURE 3
CONFIRMATORY PAINT REMOVAL
SAMPLE LOCATIONS LEVEL 1

URS
5 Industrial Way
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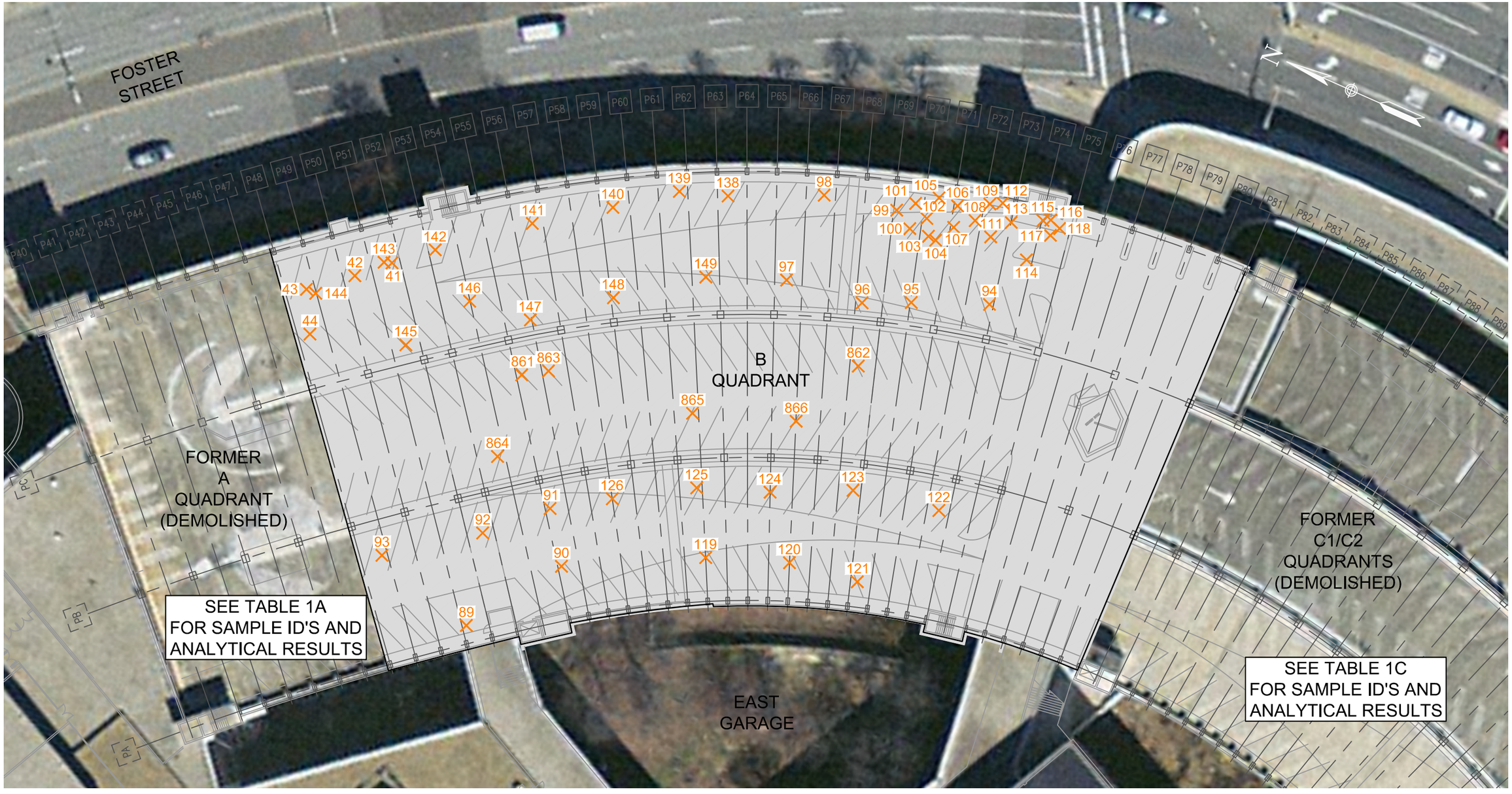
DRAWN BY: HAB	PROJECT NO.: 39743438	SHEET NO.:
CHECKED BY: JKH	SCALE: NTS	1 OF 6
APPROVED BY: JML	DATE: 11/12	

PLOTTED: 11/06/12 11:01PM BY:DENNIS_BURNHEIMER
LAST SAVED: 11/06/12 10:49PM BY:DENNIS_BURNHEIMER
DRAWING: T:\ACAD-PROJECT\BERKELEY INV-WORCESTER MA\PLANS\CONFIRMATORY SAMPLES LEVEL 1.DWG [PAINT SCARIFYING]



LEGEND

820 — PAINT SCARIFYING SAMPLE LOCATION

CITYSQUARE DEVELOPMENT CO., LLC

FORMER WORCESTER COMMONS OUTLET MALL GARAGE
FRONT STREET
WORCESTER MASSACHUSETTS

FIGURE 3
CONFIRMATORY PAINT REMOVAL SAMPLE LOCATIONS LEVEL 2

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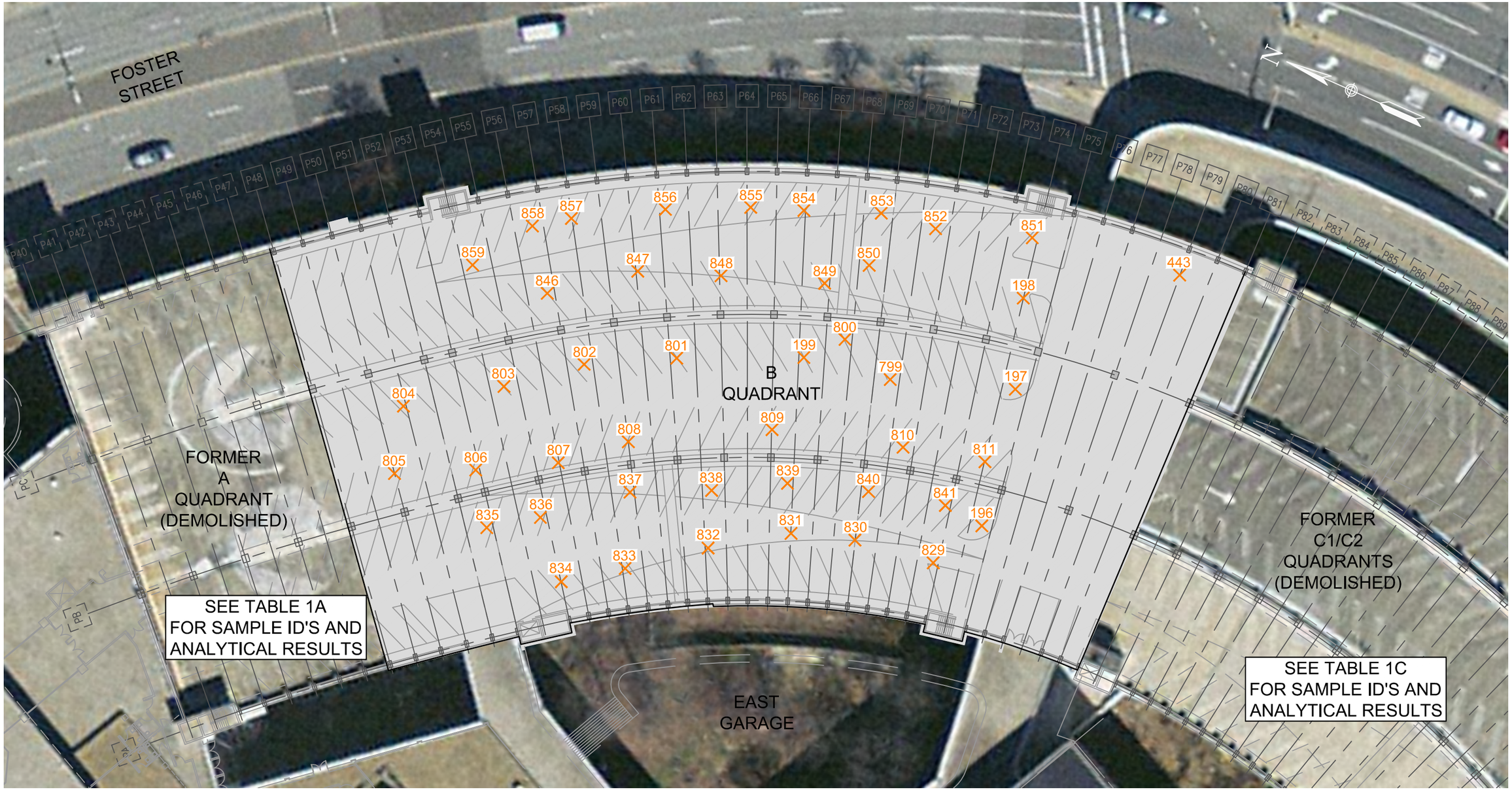
DRAWN BY: HAB	PROJECT NO.: 39743438	SHEET NO.:	
CHECKED BY: JKH	SCALE: NTS	2 OF 6	
APPROVED BY: JML	DATE: 11/12		

PLOTTED: 11/06/12 11:01PM BY:DENNIS_BURNHEIMER
LAST SAVED: 11/06/12 10:48PM BY:DENNIS_BURNHEIMER
DRAWING: T:\ACAD-PROJECT\BERKELEY INV-WORCESTER MA\PLANS\CONFIRMATORY SAMPLES LEVEL 2.DWG [PAINT SCARIFYING]



LEGEND

820 — PAINT SCARIFYING SAMPLE LOCATION

CITYSQUARE DEVELOPMENT CO., LLC

FORMER WORCESTER COMMONS OUTLET MALL GARAGE
FRONT STREET
WORCESTER MASSACHUSETTS

FIGURE 3
CONFIRMATORY PAINT REMOVAL
SAMPLE LOCATIONS LEVEL 3

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DRAWN BY: HAB	PROJECT NO.: 39743438	SHEET NO.:
CHECKED BY: JKH	SCALE: NTS	3 OF 6
APPROVED BY: JML	DATE: 11/12	

PLOTTED: 11/06/12 11:01PM BY:DENNIS_BURNHEIMER
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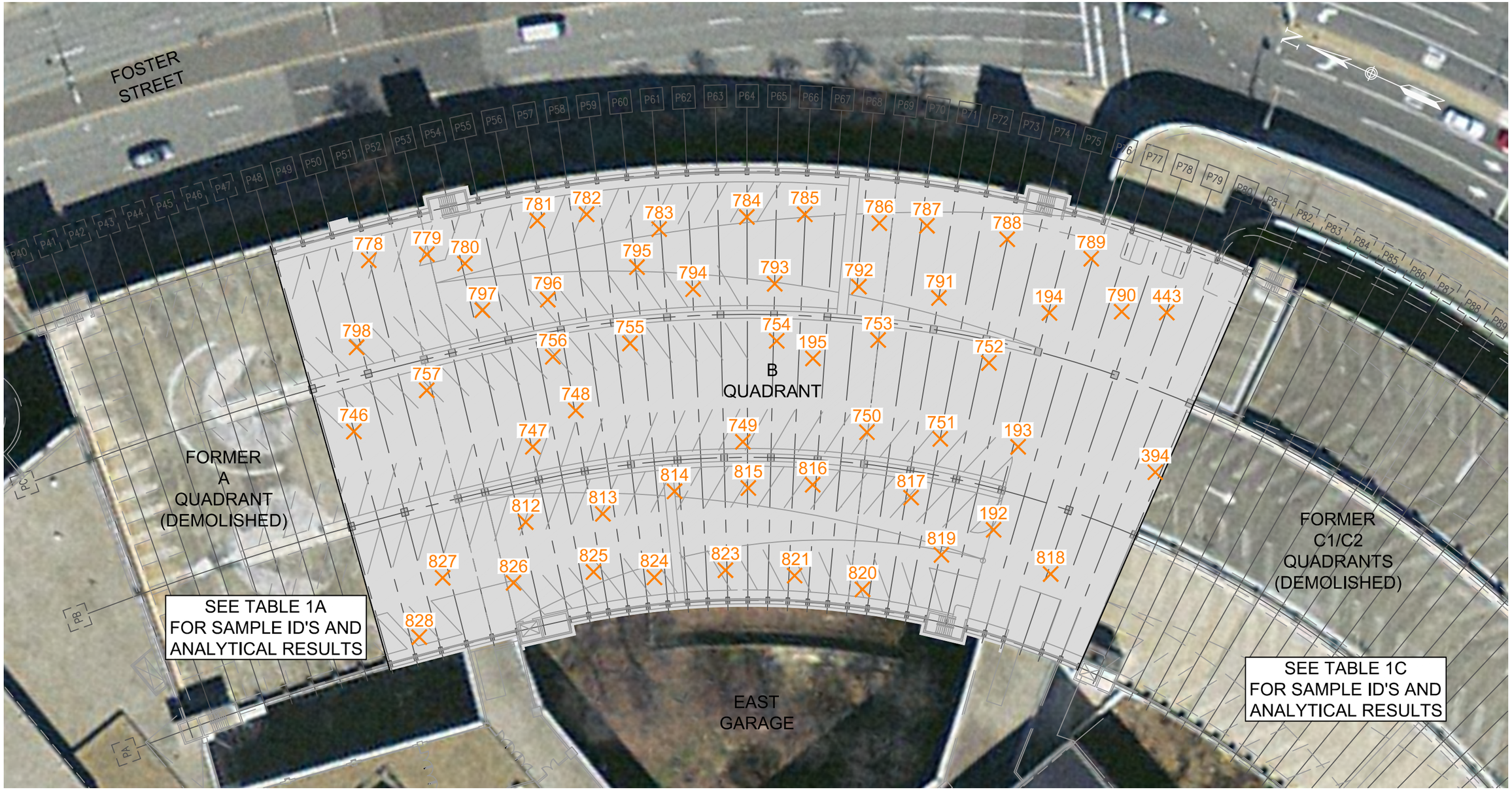

LEGEND

820 — PAINT SCARIFYING SAMPLE LOCATION

CITYSQUARE DEVELOPMENT CO., LLC

FORMER WORCESTER COMMONS OUTLET MALL GARAGE
FRONT STREET
WORCESTER MASSACHUSETTS

FIGURE 3
CONFIRMATORY PAINT REMOVAL
SAMPLE LOCATIONS LEVEL 4

URS
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FAX: (603) 893-6240
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DRAWN BY: HAB	PROJECT NO.: 39743438	SHEET NO.:
CHECKED BY: JKH	SCALE: NTS	4 OF 6
APPROVED BY: JML	DATE: 11/12	

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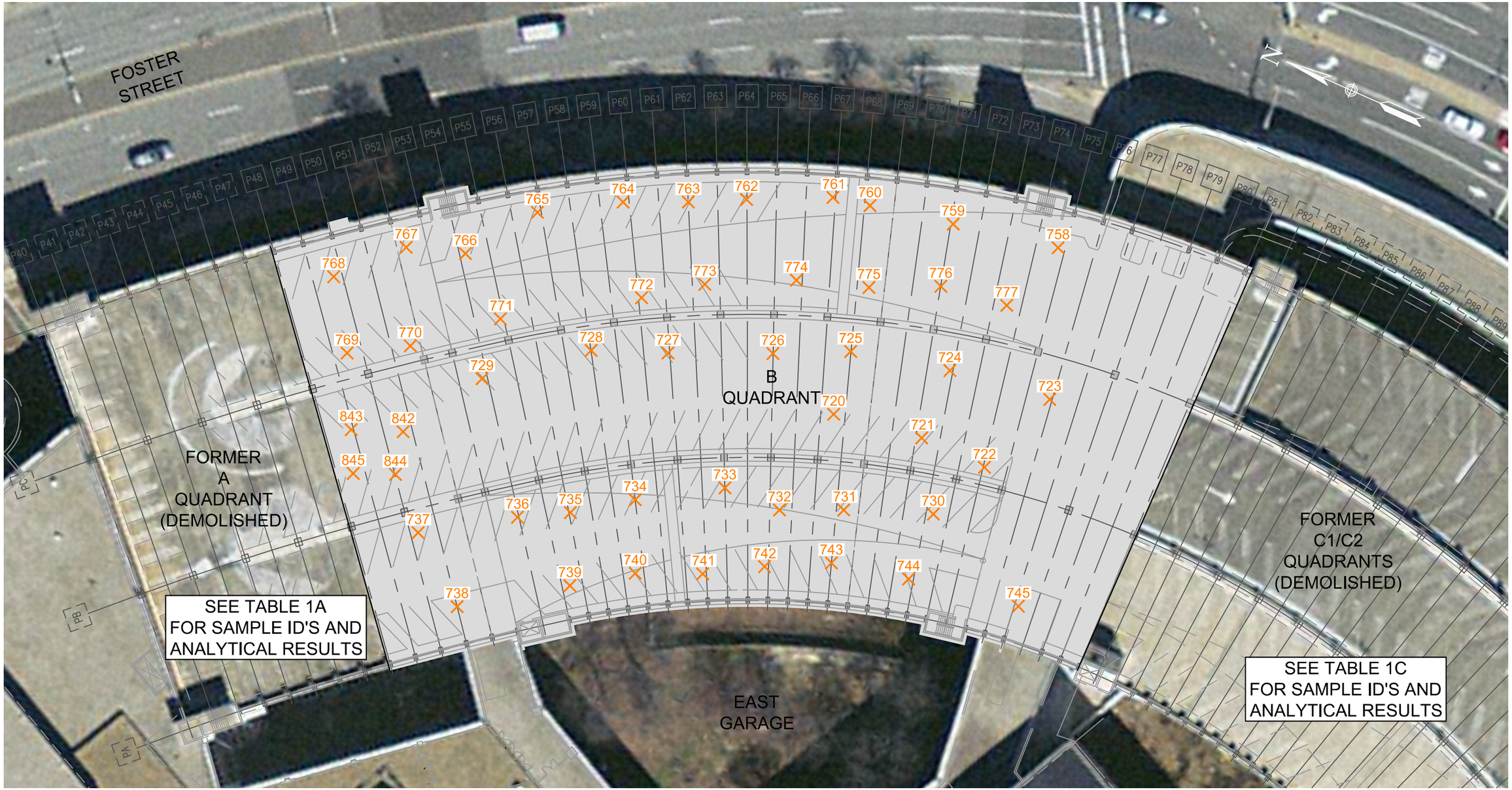

LEGEND

820 — PAINT SCARIFYING SAMPLE LOCATION

CITYSQUARE DEVELOPMENT CO., LLC

FORMER WORCESTER COMMONS OUTLET MALL GARAGE
FRONT STREET
WORCESTER MASSACHUSETTS

FIGURE 3
CONFIRMATORY PAINT REMOVAL
SAMPLE LOCATIONS LEVEL 5

URS
5 Industrial Way
Salem, New Hampshire 03079
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FAX: (603) 893-6240
http://www.urscorp.com

DRAWN BY: HAB	PROJECT NO.: 39743438	SHEET NO.:	
CHECKED BY: JKH	SCALE: NTS	5 OF 6	
APPROVED BY: JML	DATE: 11/12		

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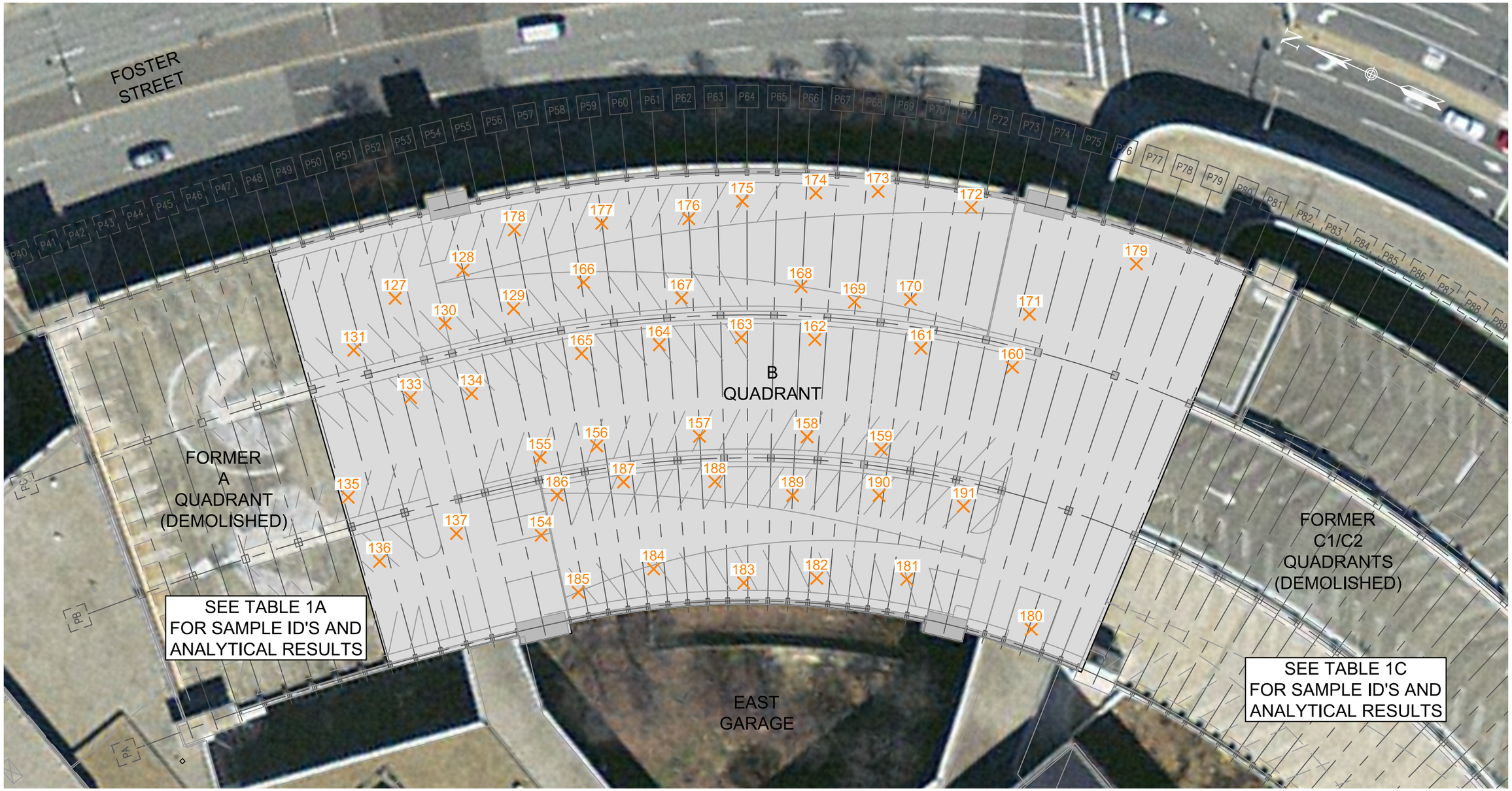


LEGEND

820 ✕ PAINT SCARIFYING SAMPLE LOCATION

CITYSQUARE DEVELOPMENT CO., LLC

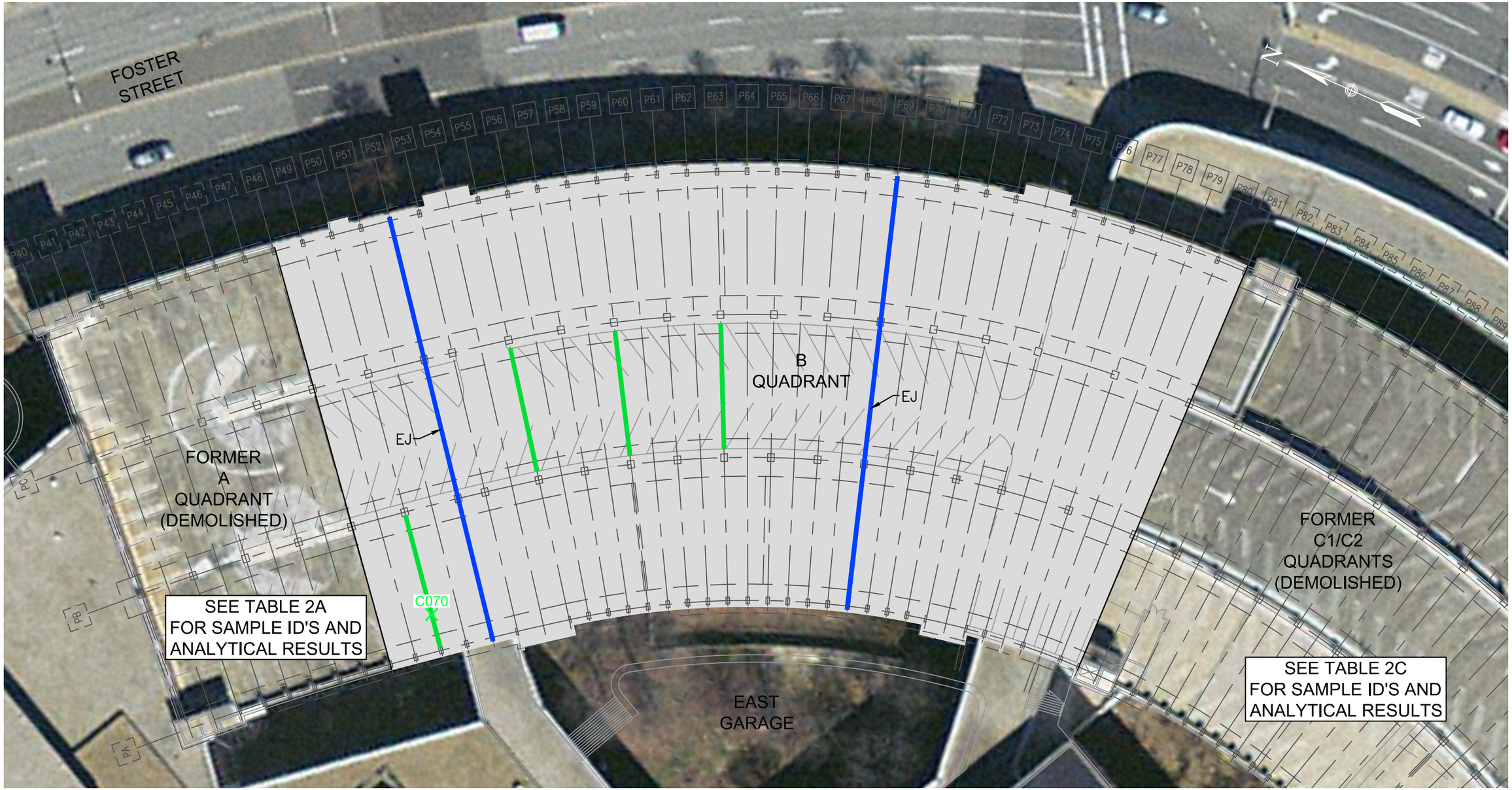
FORMER WORCESTER COMMONS OUTLET MALL GARAGE
FRONT STREET
WORCESTER MASSACHUSETTS

FIGURE 3
CONFIRMATORY PAINT REMOVAL SAMPLE LOCATIONS LEVEL 6

URS
5 Industrial Way
Salem, New Hampshire 03079
TEL: (603) 893-0616
FAX: (603) 893-6240
http://www.urscorp.com

DRAWN BY: HAB	PROJECT NO.: 39743438	SHEET NO.:
CHECKED BY: JKH	SCALE: NTS	6 OF 6
APPROVED BY: JML	DATE: 11/12	

PLOTTED: 11/06/12 11:02PM BY:DENNIS_BURNHEIMER
LAST SAVED: 11/06/12 10:48PM BY:DENNIS_BURNHEIMER
DRAWING: T:\ACAD-PROJECT\BERKELEY INV-WORCESTER MA\PLANS\CONFIRMATORY SAMPLES LEVEL 6.DWG [PAINT SCARIFYING]



LEGEND

C019 ×	CAULK ABATEMENT SAMPLE LOCATION
	CONTROL JOINT
	EXPANSION JOINT

CITYSQUARE DEVELOPMENT CO., LLC

FORMER WORCESTER COMMONS OUTLET MALL GARAGE
FRONT STREET
WORCESTER MASSACHUSETTS

FIGURE 4
CONFIRMATORY CAULK REMEDIATION
SAMPLE LOCATIONS LEVEL 1

URS
5 Industrial Way
Salem, New Hampshire 03079
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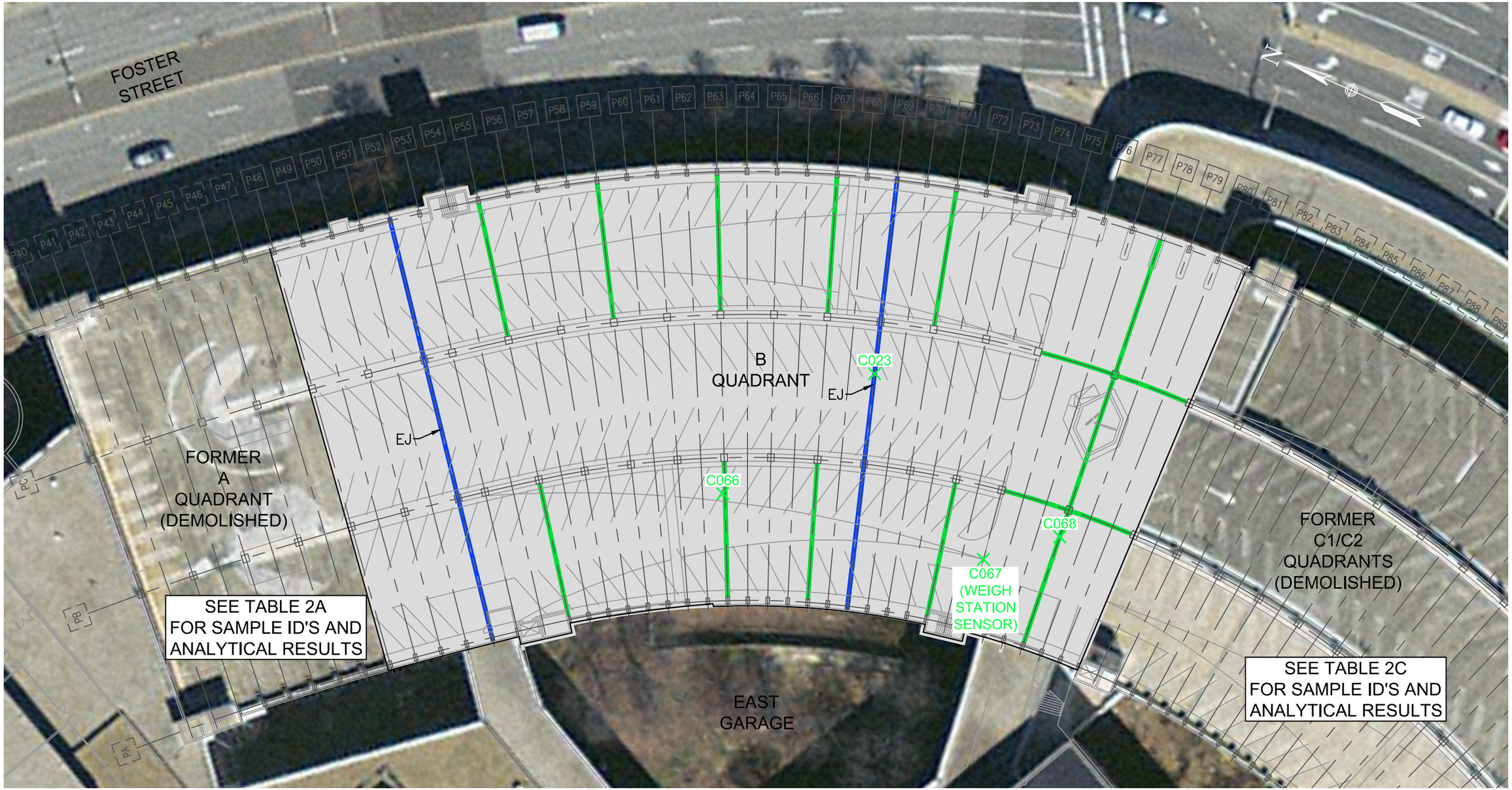
FAX: (603) 893-6240
http://www.urscorp.com

DRAWN BY: HAB	PROJECT NO.: 39743438	SHEET NO.:	
CHECKED BY: JKH	SCALE: NTS	1 OF 6	
APPROVED BY: JML	DATE: 11/12		

PLOTTED: 11/06/12 11:02PM BY:DENNIS_BURNHEIMER
LAST SAVED: 11/06/12 10:49PM BY:DENNIS_BURNHEIMER
DRAWING: T:\ACAD-PROJECT\BERKLEY INV-WORCESTER MA\PLANS\CONFIRMATORY SAMPLES LEVEL 1.DWG [CAULK ABATEMENT]



LEGEND

C019 ×	CAULK ABATEMENT SAMPLE LOCATION
	CONTROL JOINT
	EXPANSION JOINT

CITYSQUARE DEVELOPMENT CO., LLC

FORMER WORCESTER COMMONS OUTLET MALL GARAGE
FRONT STREET
WORCESTER MASSACHUSETTS

FIGURE 4
CONFIRMATORY CAULK REMEDIATION
SAMPLE LOCATIONS LEVEL 2

URS
5 Industrial Way
Salem, New Hampshire 03079
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FAX: (603) 893-6240
http://www.urscorp.com

DRAWN BY: HAB	PROJECT NO.: 39743438	SHEET NO.:
CHECKED BY: JKH	SCALE: NTS	2 OF 6
APPROVED BY: JML	DATE: 11/12	

PLOTTED: 11/06/12 11:03PM BY:DENNIS_BURNHEIMER
LAST SAVED: 11/06/12 10:48PM BY:DENNIS_BURNHEIMER
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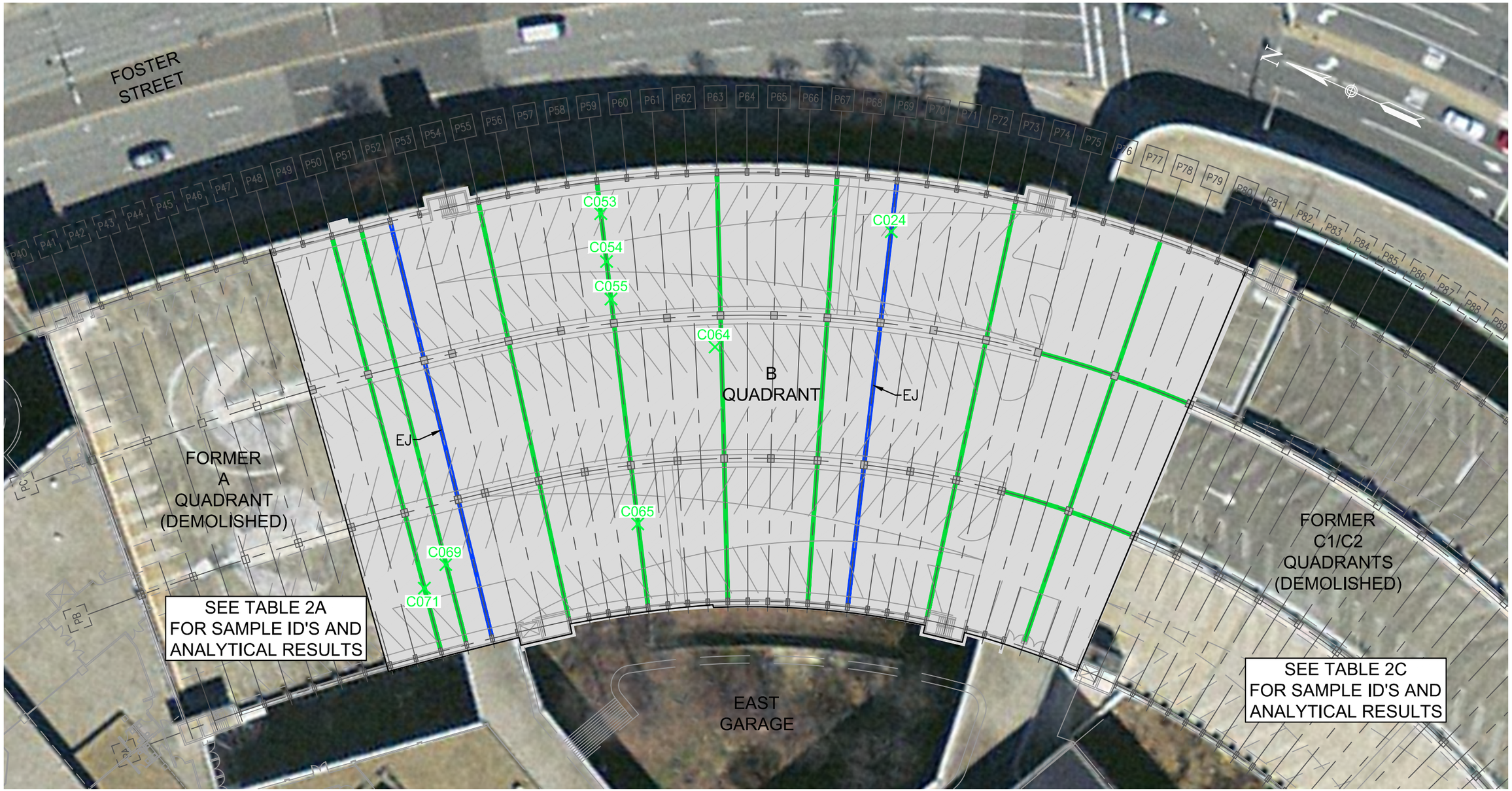

LEGEND

C019 ×	CAULK ABATEMENT SAMPLE LOCATION
	CONTROL JOINT
	EXPANSION JOINT

CITYSQUARE DEVELOPMENT CO., LLC

FORMER WORCESTER COMMONS OUTLET MALL GARAGE
FRONT STREET
WORCESTER MASSACHUSETTS

FIGURE 4
CONFIRMATORY CAULK REMEDIATION
SAMPLE LOCATIONS LEVEL 3

URS
5 Industrial Way
Salem, New Hampshire 03079
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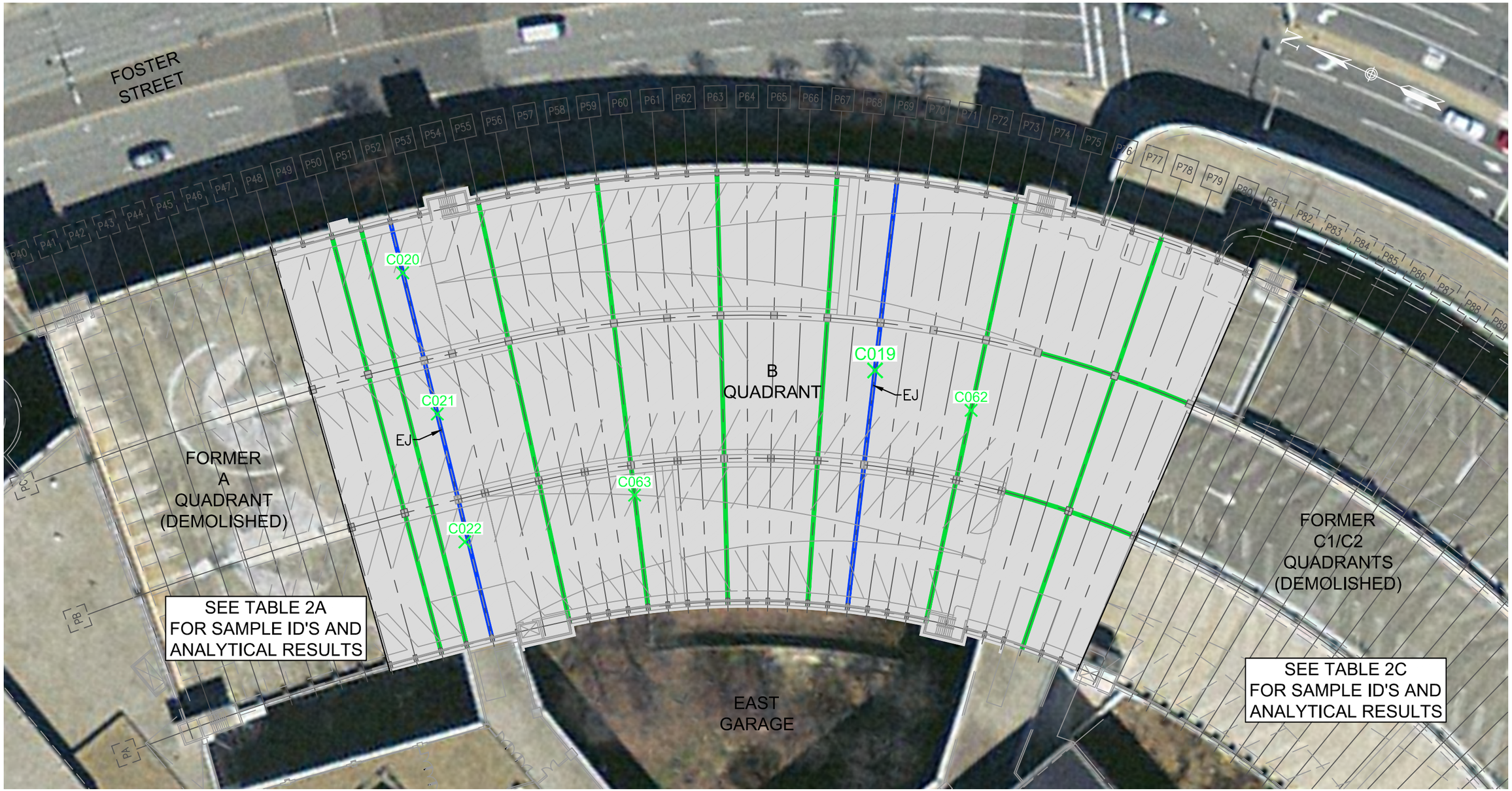
FAX: (603) 893-6240
http://www.urscorp.com

DRAWN BY: HAB	PROJECT NO.: 39743438	SHEET NO.:
CHECKED BY: JKH	SCALE: NTS	3 OF 6
APPROVED BY: JML	DATE: 11/12	

PLOTTED: 11/06/12 11:03PM BY:DENNIS_BURNHEIMER
LAST SAVED: 11/06/12 10:47PM BY:DENNIS_BURNHEIMER
DRAWING: T:\ACAD-PROJECT\BERKELEY INV-WORCESTER MA\PLANS\CONFIRMATORY SAMPLES LEVEL 3.DWG [CAULK ABATEMENT]



LEGEND

C019 ×	CAULK ABATEMENT SAMPLE LOCATION
	CONTROL JOINT
	EXPANSION JOINT

CITYSQUARE DEVELOPMENT CO., LLC

FORMER WORCESTER COMMONS OUTLET MALL GARAGE
FRONT STREET
WORCESTER MASSACHUSETTS

FIGURE 4
CONFIRMATORY CAULK REMEDIATION
SAMPLE LOCATIONS LEVEL 4

URS
5 Industrial Way
Salem, New Hampshire 03079
TEL: (603) 893-0616
FAX: (603) 893-6240
http://www.urscorp.com

DRAWN BY: HAB	PROJECT NO.: 39743438	SHEET NO.:
CHECKED BY: JKH	SCALE: NTS	4 OF 6
APPROVED BY: JML	DATE: 11/12	

PLOTTED: 11/06/12 11:03PM BY:DENNIS_BURNHEIMER
LAST SAVED: 11/06/12 10:48PM BY:DENNIS_BURNHEIMER
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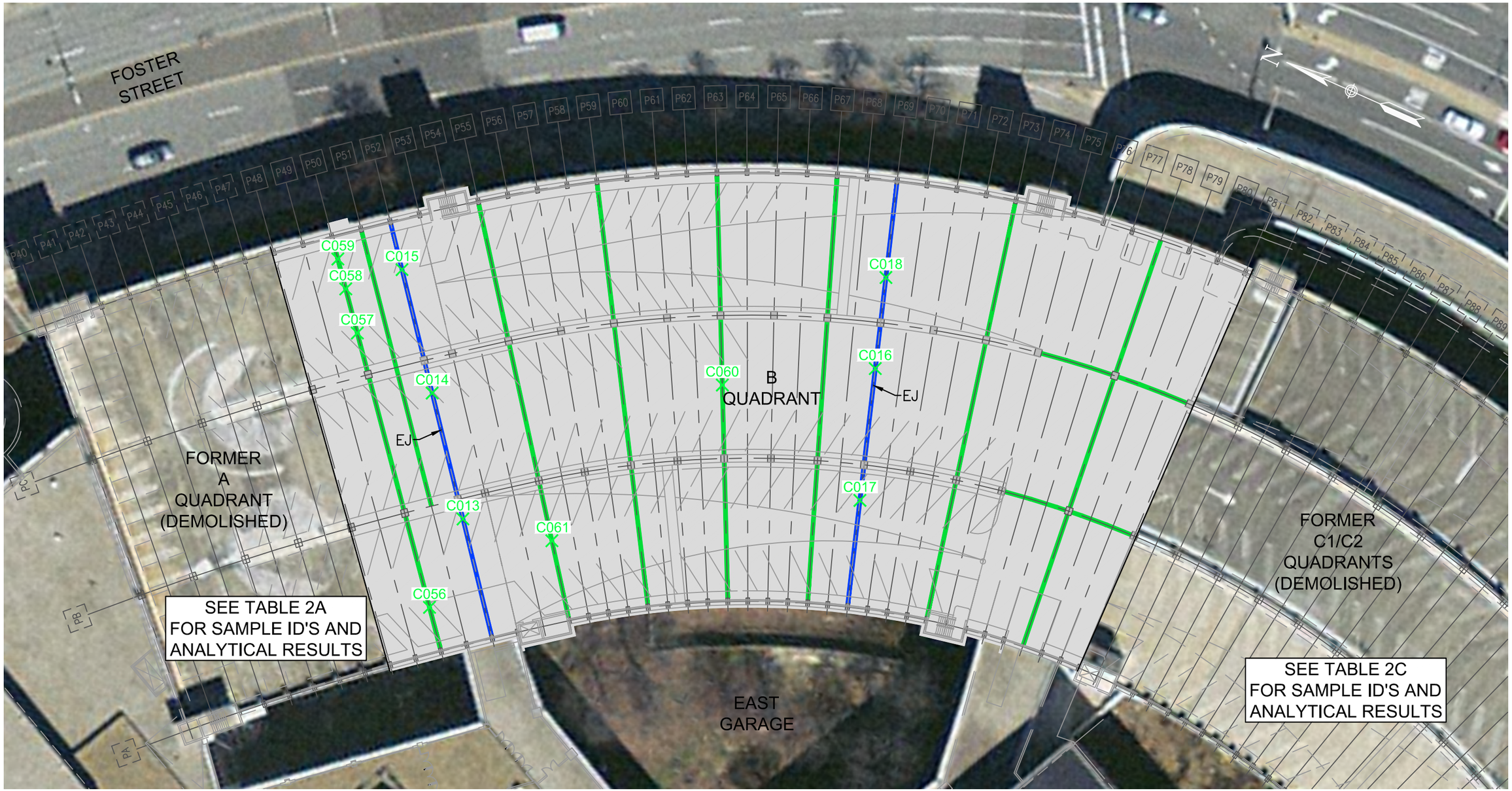

LEGEND

C019 ×	CAULK ABATEMENT SAMPLE LOCATION
	CONTROL JOINT
	EXPANSION JOINT

CITYSQUARE DEVELOPMENT CO., LLC

FORMER WORCESTER COMMONS OUTLET MALL GARAGE
FRONT STREET
WORCESTER MASSACHUSETTS

FIGURE 4
CONFIRMATORY CAULK REMEDIATION
SAMPLE LOCATIONS LEVEL 5

URS
5 Industrial Way
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FAX: (603) 893-6240
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DRAWN BY: HAB	PROJECT NO.: 39743438	SHEET NO.:
CHECKED BY: JKH	SCALE: NTS	5 OF 6
APPROVED BY: JML	DATE: 11/12	

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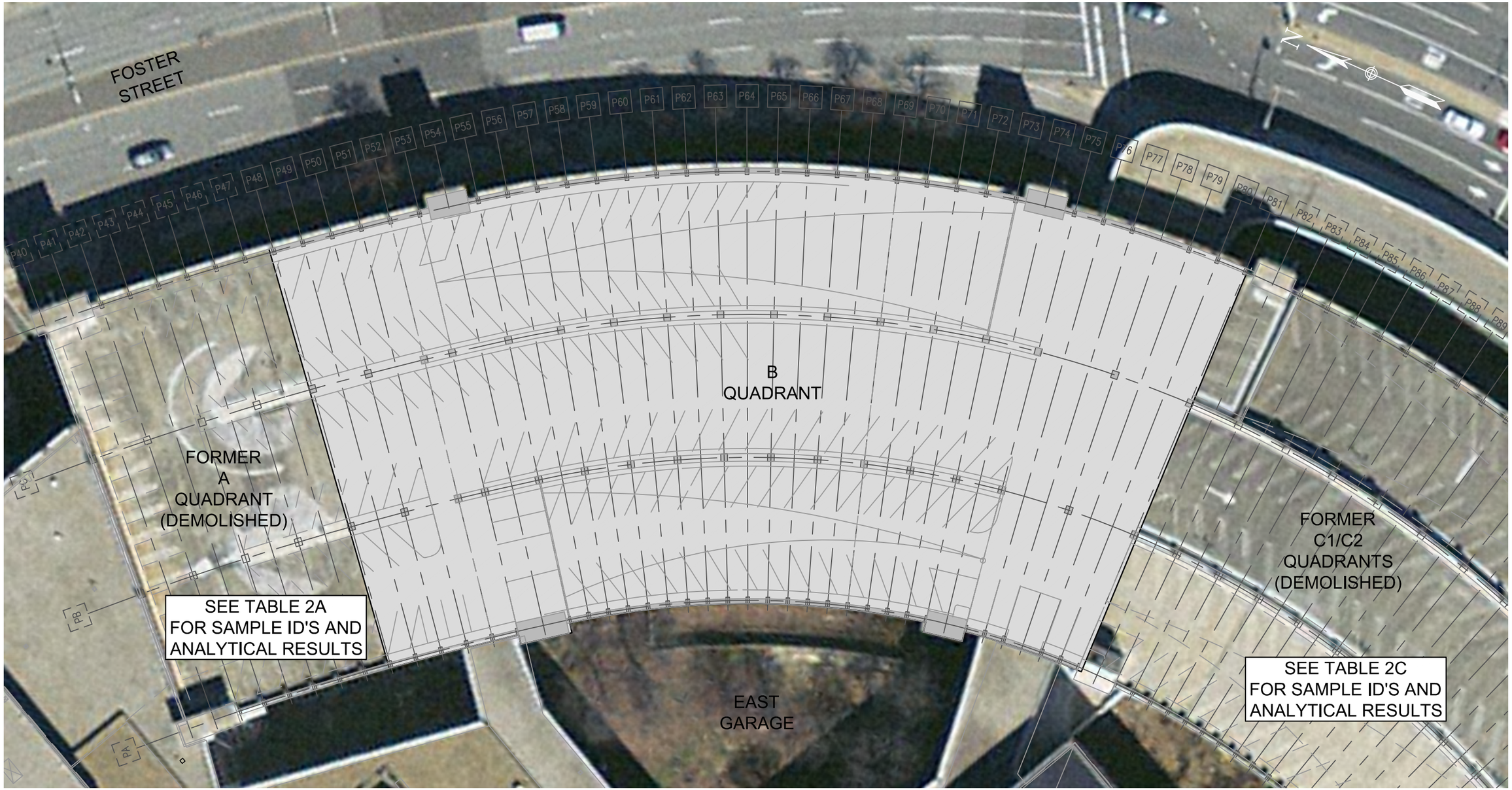

LEGEND

C019 ×	CAULK ABATEMENT SAMPLE LOCATION
	CONTROL JOINT
	EXPANSION JOINT

CITYSQUARE DEVELOPMENT CO., LLC

FORMER WORCESTER COMMONS OUTLET MALL GARAGE
FRONT STREET
WORCESTER MASSACHUSETTS

FIGURE 4
CONFIRMATORY CAULK REMEDIATION
SAMPLE LOCATIONS LEVEL 6

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CHECKED BY: JKH	SCALE: NTS	6 OF 6
APPROVED BY: JML	DATE: 11/12	

PLOTTED: 11/06/12 11:04PM BY:DENNIS_BURNHEIMER
LAST SAVED: 11/06/12 10:44PM BY:DENNIS_BURNHEIMER
DRAWING: T:\ACAD-PROJECT\BEKERLEY INV-WORCESTER MA\PLANS\CONFIRMATORY SAMPLES LEVEL 6.DWG [CAULK ABATEMENT]

APPENDIX A

EPA Management Plan, Amendment One, and Amendment Two

Prepared for:

City Square II Development Company, LLC
c/o Leggatt McCall Properties, Inc.
10 Post Office Square
Boston, Massachusetts 02109

Prepared by:

URS Corporation
5 Industrial Way
Salem, New Hampshire 03079

PCB Management Plan
Former Worcester Common Outlet Mall
Worcester, Massachusetts

PN: 39743438
July 15, 2010

TABLE OF CONTENTS

Section **Page**

1.0 INTRODUCTION 1
1.1 Contact and Certification 1
2.0 SITE BACKGROUND 2
2.1 Site Characterization 2
2.2 Conceptual Site Model 4
2.3 Nature and Extent of PCB Impacts 5
3.0 CLEANUP PLAN 6
3.1 Site Preparation 6
3.2 Paint Removal and Disposal 7
3.3 Post-Removal Clearance 8
4.0 PROJECT SCHEDULE AND RECORDKEEPING 9

FIGURES

Figure 1 – Site Locus Map
Figure 2 – Site Area Maps
Figure 3 – Sampling Locations
Figure 4 – Garage Paint Remove Detail

TABLES

Table 1 – September Characterization Sampling Summary
Table 2 – October Characterization Sampling Summary

APPENDICES

Appendix A – Sampling and Analysis Plan and Quality Assurance Plan
Appendix B – Laboratory Reports

1.0 INTRODUCTION

On behalf of CitySquare II Development Company, LLC (CitySquare), URS Corporation (URS) has prepared this request for EPA approval of a cleanup of polychlorinated biphenyls (PCBs) under the Toxic Substances Control Act (TSCA). The PCB cleanup is being implemented in conjunction with planned demolition and redevelopment work at the former Worcester Common Outlet Mall garage in Worcester, Massachusetts (the Site). A locus map showing the location of the Site is included as **Figure 1**. This plan has been prepared in accordance with the TSCA requirements outlined in 40 CFR 761.61(a) and 40 CFR 761.79(h) and meetings and correspondence between URS and the U.S. Environmental Protection Agency (EPA) Region 1 TSCA Coordinator.

During the planning stages of the Site redevelopment, URS undertook sampling and analysis of the painted concrete surfaces within the garage. Results of this sampling and analysis indicated that PCBs were present in the parking space stripes at levels above the allowable concentrations as regulated by TSCA. This plan, therefore, provides the site characterization, notification and certification required pursuant to TSCA 40 CFR 761(a) and includes the anticipated scope, approach and schedule for abating the paint containing PCBs.

1.1 Contact and Certification

The CitySquare person providing this notification and certification who will be responsible for this project is Donald W. Birch, Authorized Signatory for CitySquare II Development Co. LLC. His/Her contact information is provided below:

Donald W. Birch
Leggat McCall Properties
10 Post Office Square
Boston, Massachusetts 02109
617-422-7007

I certify that I am the person in charge of the PCB cleanup, representing the owner of the property where the PCB remediation waste is located. I certify 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 designated above and are available for EPA inspection.

CitySquare II Development Co. LLC

Donald W. Birch
Authorized Signatory

7/15/2010
Date

2.0 SITE BACKGROUND & PROJECT OVERVIEW

On June 15, 2010, CitySquare purchased from Worcester Renaissance LLC, a joint venture between Berkeley Investments and Starwood Capital Group, an approximately 11 acre site in downtown Worcester for the development of the CitySquare project. The CitySquare project is a private-public development project involving the demolition and redevelopment of the property formerly known as the Worcester Common Fashion Outlets Mall and certain adjacent properties in downtown Worcester. CitySquare has undertaken Worcester Renaissance's rights as the developer of the CitySquare project under a Development Agreement with the City of Worcester. The Development Agreement sets forth public improvement elements that are to be constructed as part of the CitySquare project. These public improvements are being funded by municipal, state and federal funding sources which total approximately $40 million. Leggat McCall Properties, LLC has been retained to act as CitySquare's construction representative and the development manager for the project. URS has been retained to provide environmental consulting services in association with the project.

CitySquare is planning to construct a new office building containing approximately 201,000 rsf and to redevelop an existing parking facility known as the East Garage by demolishing a portion and renovating the balance. The location of the New Building and the East Garage is shown on the attached **Figure 2,** which also provides a graphic illustration of the Site area before and after demolition. The core/shell of the New Building is expected to be completed within 18 months after the commencement of the construction work. CitySquare has entered into a lease with The Paul Revere Life Insurance Company, a subsidiary of Unum Group, pursuant to which Paul Revere Life will lease the entire New Building together with 860 parking spaces to be redeveloped in the East Garage.

In an effort to minimize waste generation, and reduce construction truck traffic, the redevelopment team is planning to re-use the concrete from the demolition process as backfill material within the project area. The Massachusetts Department of Environmental Protection (MassDEP) Solid Waste Regulations (310 CMR 19.000) allow for reuse of potential solid waste materials provided it can be demonstrated that the proposed secondary materials and uses are beneficial and pose an insignificant potential hazard to public health, safety, or the environment. CitySquare is seeking a Beneficial Use Determination (BUD) permit from MassDEP is required to allow the crushing and re-use the garage concrete as on-site fill.

2.1 Site Characterization

In anticipation of the BUD permit application, on September 9, 2009, URS sampled paint from throughout the garage. The samples were collected as composites of the different paints that were observed on the garage surfaces, including painted columns, floor striping, the interior of outer walls, curbing and stairwell platforms. To create the composite samples, URS collected paint chips from across the sections of the garage that are proposed for demolition and reuse as on-site fill (paint was collected from each floor along and the length of the sections proposed for demolition). If multiple colors of paint

were identified, paint chips from the multiple layers were included in the composite samples. For example, portions of the garage were observed to be painted with white paint overlying green paint and other portions were covered with white paint overlying red paint. Samples were collected of the white and red paint as one sample and of the white and green as one sample. **Tables 1** and **2** include a description of the sample composition. A total of nine composite samples (including a field duplicate sample) were collected. Additional details on the sampling and analysis can be found in the Sampling and Analysis Plan and the project Quality Assurance Plan, both included as **Appendix A**.

Results of the preliminary composite analysis of these samples indicated that one PCB, Aroclor-1248, was detected in 6 of the samples. No other Aroclors were found. The majority of the PCB detections were between 0.461 mg/kg (in grey paint on the platforms leading to stairwells) and 1.28 mg/kg (in white/yellow columns) with the exception of the garage floor striping which indicated Aroclor 1248 at a level of 147 mg/kg. This sample consisted of paint composited from the parking line stripes throughout the garage. Because the level of PCBs in the striping paint exceeded 50 mg/Kg, the stripes are considered *PCB-contaminated* and the paint itself is a *PCB bulk product waste*. Refer to **Table 1** for a summary of the analytical data from the September characterization sampling.

Based on the results of the initial round of sampling, URS contacted the EPA regional TSCA coordinator in October 2009 to review the results and request input on how best to proceed with the next round of sampling and subsequent response actions. Based on those conversations with EPA, review of standard procedures and published guidance, URS prepared an addendum to the Sampling and Analysis Plan (**Appendix A**) and returned to the site on October 28, 2009 to collect additional samples. Samples were collected from representative locations in the garage where parking line paint was present to determine if PCBs in the paint had leached into the concrete below or immediately adjacent to the paint. Three cores were collected at each of four representative locations: one core (Core A) was advanced through the painted concrete, one core (Core B) was advanced immediately adjacent to the painted concrete, and the third was advanced immediately adjacent to Core B, approximately 4.5-inches from the edge of the painted stripe. The cores were cut into approximate 0.25 to 0.50 inch segments and crushed with a hammer prior to placement in laboratory provided sample containers.

The laboratory was instructed to analyze the top layer of Core A (paint and concrete section) samples from all four locations first. Then, depending upon the detected PCB concentration, the first 0.5-inch depth intervals underlying the painted core section was analyzed. If this sample contained a PCB concentration of greater than 1.0 mg/kg, the next sample depth interval was analyzed. This was repeated for each horizon in the core until a sample from the given core was reported as containing less than 1.0 mg/kg PCBs or until the last sample from the core was analyzed. A similar contingent analysis was completed for the Core B samples adjacent to the painted concrete. If PCB concentrations in any of the Core B samples collected adjacent to the painted stripe was greater than 1.0 mg/kg, then the above procedure was repeated on the Core C samples (collected within 4.5-inches of the painted stripe). In this manner, samples were analyzed at intervals both

below and horizontally away from the stripe until PCB concentrations were below 1.0 mg/kg PCBs. None of the Core C samples were analyzed because the samples closer to the painted stripes (the Core B samples) did not exhibit PCB concentrations above 1.0 mg/kg.

The data from the October 28, 2009 sampling event indicated that PCB concentrations in the concrete samples do not demonstrate that PCBs have leached from the paint into the concrete below or immediately adjacent to the stripes. Possible reasons for this may be that the concrete was sealed before it was painted, the layer of paint containing PCBs is not the bottom layer, or the levels of PCB in the paint are not sufficient to drive the leaching process. Refer to **Table 2** for a summary of the analytical data from the October characterization sampling. The complete laboratory report is also provided in Appendix B.

For both rounds of characterization sampling, the samples were submitted for extraction and PCB analysis on a bulk basis (mg/Kg) and in accordance with TSCA analytical requirements. Chemical extraction was completed using EPA Method 3540C and chemical analysis of PCBs (Aroclors) was conducted using EPA Method 8082. **Figure 3** identifies the sample locations. The complete laboratory reports are attached in **Appendix B**.

2.2 Conceptual Site Model

A conceptual site model is used to evaluate, and quantify the potential mechanisms of contaminant transport from a known source through a contaminant migration pathway to a potential receptor. This model was developed on the basis of PCB analytical data, visual observations and physical characteristics. In this instance, the source of contamination is one or more of the multiple layers of the floor striping. The majority of the striping is within covered areas and there are limited natural erosional forces at work. Mechanical erosion of the stripes is also limited since the PCB impacted layers would have been placed during the period of time that manufacturing of PCB product was allowed, i.e. prior to 1978, and the garage has been painted a number of times since then. Some leaching of PCBs from the paint into the adjacent concrete porous surfaces is a potential migration pathway, but the process would be slow and the concentrations of the PCBs in the paint are not high enough to make this migration likely. **Figure 4** provides a cross sectional illustration of a typical paint stripe, conceptual source layer and potential migration pathways. There is no evidence to suggest that there is any variation between floors or between stripes on how and when the paint was originally applied, and all of the stripes are assumed to be similar.

Potential receptors (either human or environmental) are also limited since multiple layers of paint applied since 1978 would have limited the potential for direct contact. Overall it is very unlikely that the opportunity exists for the PCBs in the paint to migrate out of the paint and to a potential receptor. Nevertheless, the proposed cleanup will remove the source of the PCBs, eliminating the potential altogether.

2.3 Nature and Extent of PCB Impacts

The paint material that delineates parking spaces on the floors of the parking garage contains PCBs as indicated in Section 2.1 above and are therefore considered *PCB bulk product waste*. During the initial paint chip sampling event in September 2009, the paint stripe sample, at a concentration of 147 mg/Kg, was composited from a number of locations throughout multiple floors of the garage in order to be representative of that type of material. The four sample locations, during the subsequent round of concrete sampling in October 2009, were selected from random stripes on different floors, but were not substantially different in location, color layers or age. The uppermost quarter- to half-inch layer, comprised almost completely of paint was PCB-contaminated in two of the four locations. The concrete samples from the half inch immediately below and from the two inches immediately adjacent to these two samples were not PCB impacted, with all PCB levels from adjacent samples below 1 mg/Kg. The PCB impacts are limited to the paint itself, and PCBs have not leached into the underlying or adjacent concrete. There is no evidence that any area or floor of the garage is more or less likely to contain PCB contaminated stripes, and it must be assumed that of all stripes within the garage are potentially PCB-contaminated. Therefore, for purposes of this plan, the location and extent of the contaminated area to be remediated includes the paint layers only, found within the top half-inch all parking lot stripes on all floors of the garage. Both the stripes within the planned demolition area and the stripes within the section of the garage that is not going to be demolished will be remediated.

3.0 CLEANUP PLAN

The primary components of the cleanup plan are:

- Remove parking garage stripe paint containing PCBs and underlying concrete to a depth of one-eighth to one-quarter inch (refer to Figure 4)
- Remove an additional one-half inch of concrete adjacent to the striped area to the same depth (refer to Figure 4)
- Provide visual inspection of paint removal down to concrete
- Collect removed paint as it is generated in a secure and properly-labeled container
- Transport and dispose collected materials off site as PCB bulk-product waste or PCB remediation waste (depending upon concrete content) in accordance with 40 CFR 761(a)
- Implement a modified version of TSCA Subpart O confirmatory sampling requirements.
- Repeat removal, visual inspection and confirmatory sampling as needed when initial confirmation does not meet performance standards.

For the Site PCB paint remediation, the performance standard that will be applied is removal to at or below 1 mg/Kg (1 ppm) total PCBs. This level is also anticipated to be a required performance standard to achieve the BUD from MassDEP.

The PCB paint cleanup will be competitively bid in conjunction with the redevelopment project, and the actual means and methods for removing the paint stripes and adjacent concrete will be up to the contractor. CitySquare will require the selected contractor to provide a contractor work plan detailing the procedures that will be employed for the remediation. However, the following details and parameters will be required as part of their scope of work.

3.1 Site Preparation

Site preparation and controls will need to include preparation and submittal of an appropriate health and safety plan in accordance with applicable federal and state regulations governing such activities, including OSHA 29 CFR 1910.120, respiratory protection, personal protective equipment and establishment of remediation zones. Access to the work areas will be controlled through fencing, containment and/or barriers. Active paint removal areas will be contained using polyethylene sheeting or equivalent to control any blowing dust or debris generated from the cleanup activities.

Wet wiping or misting shall be used to suppress dust where necessary. A combination of engineering controls (polyethylene containment), dust suppression, and PPE will be employed as part of the active removal. As such, air monitoring within the active work

areas is not anticipated during implementation. Air monitoring for particulate in the work zone will, however be completed at the conclusion of cleanup within the containment area before the containment is moved or removed. Given that the paint abatement will be conducted inside containment within a controlled construction site in areas that are vacant, unused and about to be demolished or renovated, no ambient air monitoring outside of the containment is proposed.

3.2 Paint Removal and Disposal

Once the containment systems have been constructed, the selected contractor will remove the paint stripe and one-half to one inch of concrete on either side of the stripe, all to a depth of approximately one-eighth inch to one-quarter inch. Striping paint and porous materials in excess of the 1 mg/Kg performance standard will be removed from the garage floor by physical or chemical means, stored and disposed off site at a chemical waste landfill licensed to take TSCA materials with PCBs greater than 50 mg/Kg. Scarification is the most likely means to effectively remove the striping paint, but final selection of cleanup methodology will be left to the selected contractor. The selected contractor may use mechanical scarification or shot blasting equipment capable of uniformly scarifying or removing the old paint and adjacent concrete to the depths required in this plan. The contractor's equipment shall be of sufficient power, traction and stability to maintain accurate depth of cut and minimize the amount of dust generated during the removal process. Alternative removal methods to scarification will be considered provided the accuracy of depth and the minimization of dust can be demonstrated. Figure 4 illustrates the anticipated depth of removal in relation to the painted stripe.

Cleaning of the active area shall be performed in a timely manner to remove paint, dry and wet debris. At no time shall paint or related debris be allowed to be distributed beyond the area covered by the containment systems. Captured paint and debris shall be immediately placed in suitable waste receptacles placarded on all sides as containing PCB waste per 40 CFR 761.40 and stored in a manner consistent with 40 CFR 761.65. PCB waste containers will be placed in a secure location and containers will be maintained, secured and covered except during loading of waste in accordance with federal regulation. No intermediate stockpiling or other unsecure storage of remediation waste will be allowed.

Disposal of all waste will be in accordance with applicable state and federal regulations and 40 CFR 761.61. Waste will be shipped by a licensed transporter and sent facilities licensed to receive and dispose PCB bulk product waste and PCB remediation waste in accordance with EPA regulations. The PCB contaminated solid waste (paint and concrete) will be shipped under a hazardous waste manifest. Other solid waste, such as PPE and containment materials, will be shipped under a non-hazardous waste manifest. Copies of all waste shipment records will be retained, included in the final report for the cleanup and available to EPA. The identification and documentation to verify acceptability of plan waste receiving facilities will be provided by the contractor in their work

3.3 Post-Removal Clearance

To confirm that the PCB impacted paint has been adequately removed, a system of visual inspection, documentation and confirmatory sampling will be utilized. Stripes will be visually inspected, including photographic documentation, to verify that both the minimum depth requirement and the removal of paint residue have been accomplished. Once a section passes visual inspection, confirmatory samples of concrete will be collected and submitted to a laboratory for analysis.

The general locations and materials to be sampled, as well as proposed sampling frequency will be based on the small width and greater length of each section. The grid or random based statistical sampling contemplated in Subpart O of TSCA is not readily adaptable to paint striping, and this work plan therefore should be considered a request for EPA to approve an alternate sampling and analysis scheme. A total of roughly 150,000 linear feet of stripes are estimated to need cleanup under this plan.

Sampling frequency will be established based on linear feet of paint removed and visually cleared. Initially the confirmatory sampling of concrete will be performed at a frequency of one sample per 25 linear feet for the first 1200 linear feet. If these samples indicate consistently acceptable results, subsequent stripe samples will be collected at a frequency of one per 250 linear feet. Because no difference in placement or removal methods between stripes is expected, the sampling frequency proposed is considered representative of the stripes throughout the garage.

Sampling will be done in accordance with the EPA Region 1 *"Draft Standard Operating Procedure for Sampling Concrete in the Field*" dated December 1997. Sampling equipment will be decontaminated in accordance with TSCA requirements.

Results of the visual inspection and verification sampling are expected to demonstrate that the abated stripe surfaces and adjacent concrete have met the 1 mg/Kg performance standard. In the event that the analytical results uncover an exceedance of the performance standard, the contractor will be required to do additional abatement in the affected area, and the area will be re-sampled.

The data quality objective is to achieve sufficient quality to support the conclusion that the cleanup performance standards have been met. The TSCA required analytical process will be followed, and as with the prior sampling, chemical extraction will be completed using EPA Method 3540C and chemical analysis of PCBs (Aroclors) will be conducted using EPA Method 8082. The existing Quality Assurance Plan (**Appendix A**) will be utilized to verify the necessary levels of precisions, accuracy, representativeness and completeness of the data generated during the cleanup.

4.0 PROJECT SCHEDULE AND RECORDKEEPING

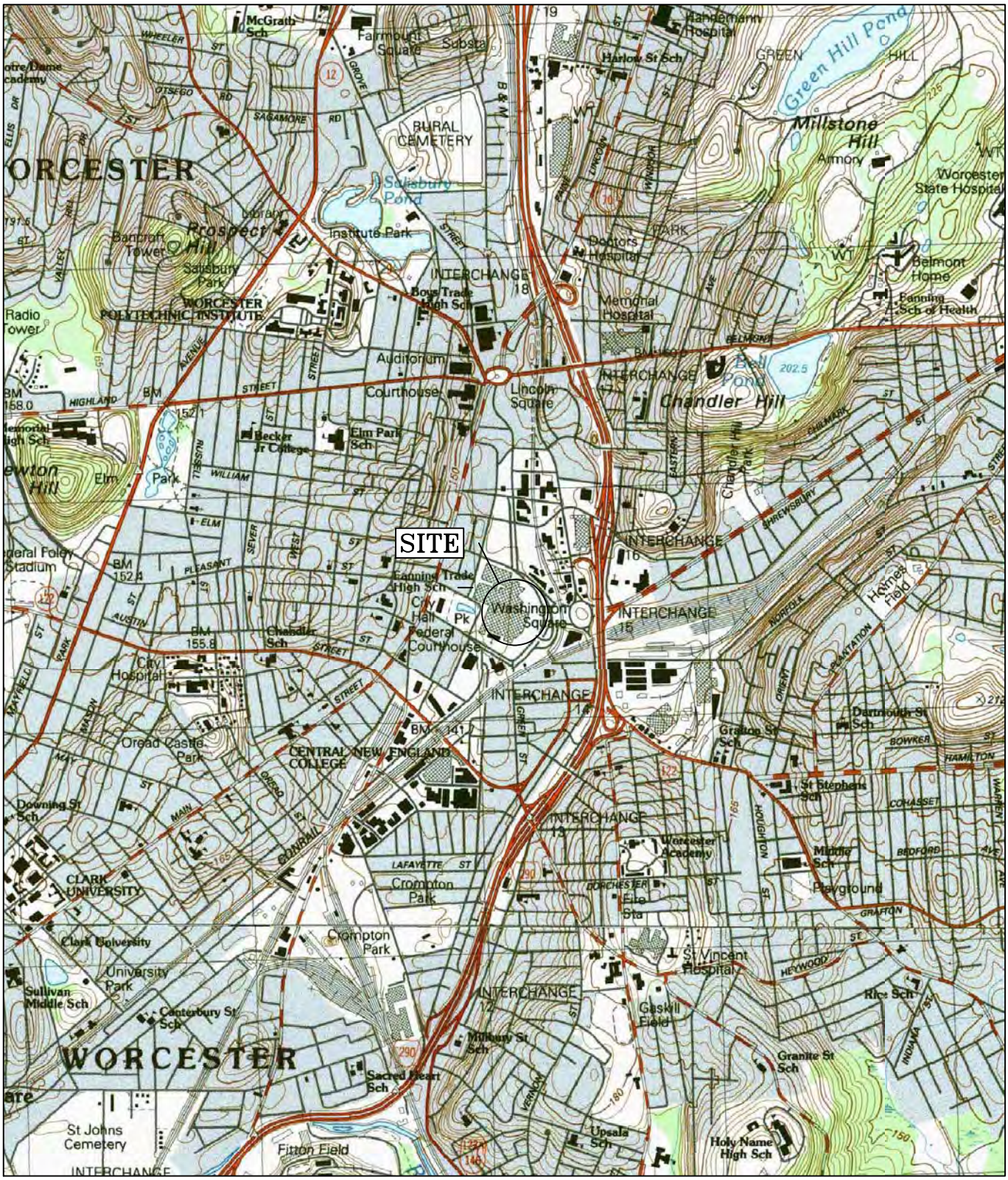
Upon completion of the paint stripe remediation and acceptance of all final clearance samples, the larger portion of the garage will be approved for demolition and subject to MassDEP approval the concrete will be crushed and reused on site as fill material. The retained portion of the garage, once cleared, will be used for parking by occupants of the New Building. In accordance with TSCA requirements at 40 CFR 761(a), CitySquare plans to begin implementation of the plan outlined above as soon as approval is received from the EPA Region 1 TSCA Coordinator. Ideally this program will begin the first week of August in order to maintain the schedule jointly anticipated by CitySquare and the City of Worcester. CitySquare estimates that the work outlined in this work plan will take approximately 10 to 12 weeks to complete.

Following completion of the PCB paint cleanup activities, a final report documenting the completion of the work activities will be prepared and submitted to EPA. At a minimum this final report will include:

- A narrative description of the work as completed;
- Photo documentation;
- Verification analytical results and lab reports;
- Volumes of disposed materials; and
- Waste disposal documentation.

Record documents required by 40 CFR 761, including the documents referenced in the certification in Section 1 above, and documents generated during implementation of this work plan will be maintained in one central location and made available for inspection to authorized representatives of EPA.

FIGURES



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SCALE:	1:2000
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FILE NO:	--
DESIGN:	BJG
APPROVED:	MMW
DRAWN:	HAB

CLIENT: CITYSQUARE DEVELOPMENT CO., LLC

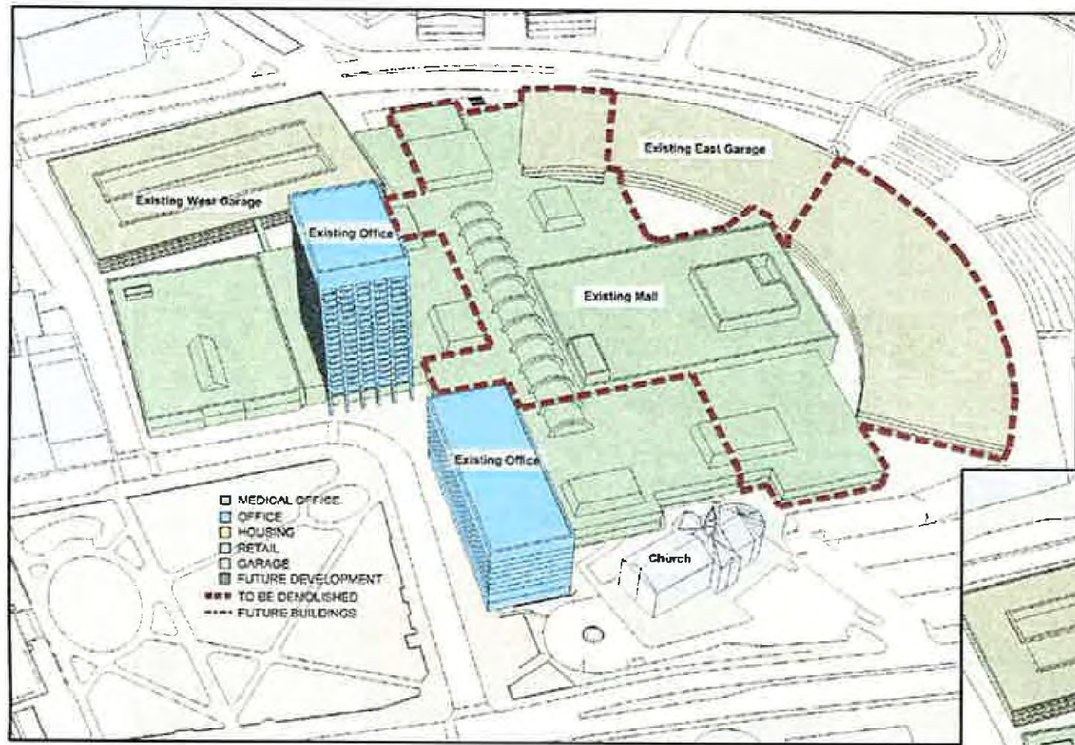
PROJ: 100 FRONT STREET WORCESTER, MA

PROJECT NO: 39743277

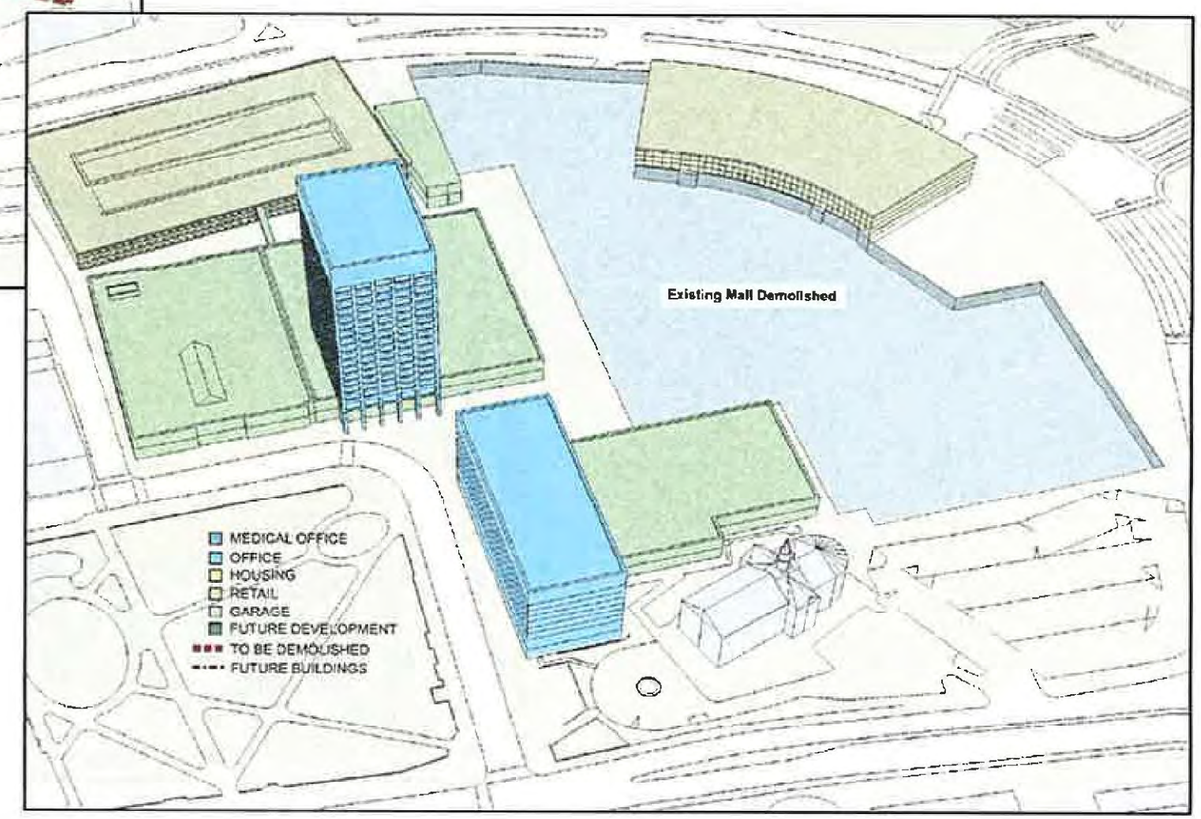
TITLE: SITE LOCUS

DRAWING NO.: 1

T:\ACAD-PROJECT\BEKERLEY INV-WORCESTER MA\PLANS\ASBESTOS LOCATION.DWG FIGURE 1 - SITE LOCUS 07/07/10 3:18PM



Area Subject to Demolition

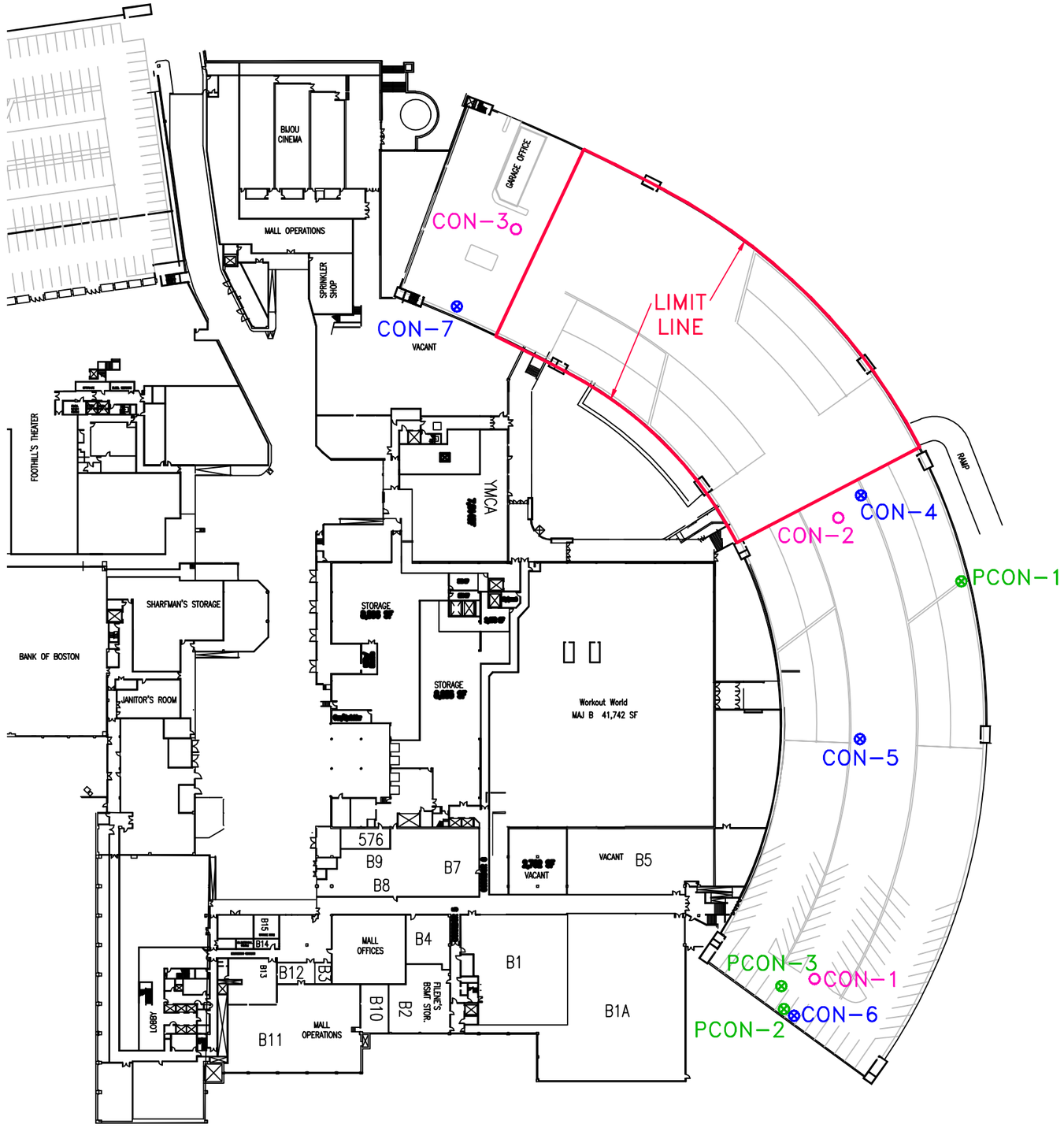


Post Demolition

NOTE: FIGURE PROVIDED BY
CITYSQUARE DEVELOPMENT CO., LLC,
JUNE 2010

CITYSQUARE

FIGURE 2
DEMOLITION SCHEMATIC



CONCRETE CORE LOCATIONS
SEPTEMBER 8, 2009

CON-#○ CONCRETE CORE LOCATION

ADDITIONAL PCB
SAMPLING LOCATIONS
OCTOBER 28, 2009

CON-#⊗ PCB CONCRETE CORE LOCATION

PCON-#⊗ COMBINED CONCRETE AND PAINT SAMPLE LOCATION

CITYSQUARE DEVELOPMENT CO., LLC

CITY SQUARE
FRONT STREET
WORCESTER MASSACHUSETTS

FIGURE 3
SAMPLE LOCATIONS

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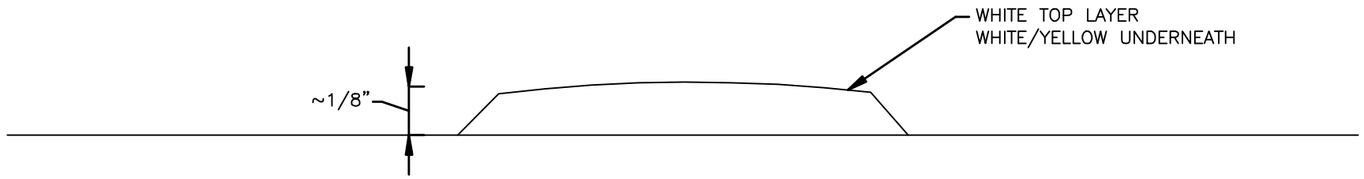
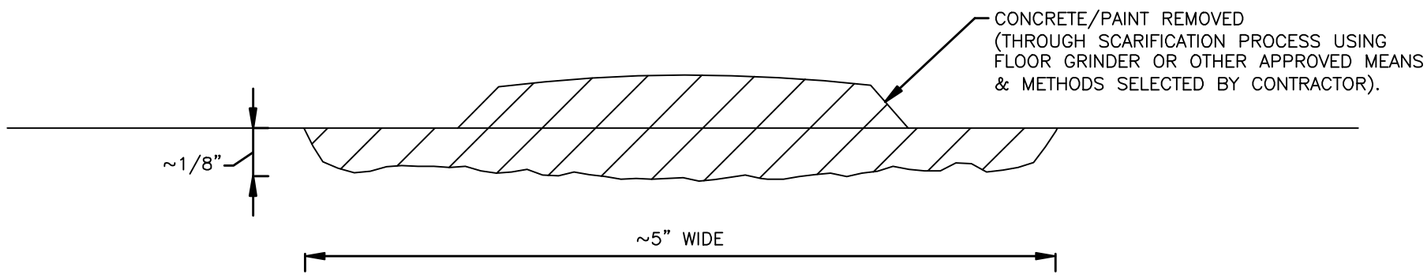
CHECKED BY: BJG	SCALE: NTS	
APPROVED BY: MMW	DATE: 7/10	1 OF 1



NOTE: LAYERS OF PAINT NOT SAMPLED INDIVIDUALLY BECAUSE THEY COULD NOT BE SEPARATED.



NOTE: 4" WIDE FLOOR GRINDER MAKING 2 PASSES TO EQUAL ~5" WIDTH REMOVAL.

CITYSQUARE DEVELOPMENT CO., LLC

CITY SQUARE
FRONT STREET
WORCESTER MASSACHUSETTS

FIGURE 4
GARAGE PAINT REMOVAL DETAILS

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CHECKED BY: BJG	SCALE: NTS			
APPROVED BY: MMW	DATE: 7/10	1 OF 1		

TABLES

Table 1 - PCB Analytical Results of Paint Chip Samples Collected on September 8, 2009
Former Worcester Commons Outlet, City Square, Worcester, MA

Sample Identification:	DUP-PC-1		PC-1		PC-2		PC-3		PC-4		PC-5		PC-6		PC-7		PC-8	
Date Sampled:	08-SEP-09		08-SEP-09		08-SEP-09		08-SEP-09		08-SEP-09		08-SEP-09		08-SEP-09		08-SEP-09		08-SEP-09	
	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Polychlorinated Biphenyls (mg/kg)																		
Aroclor 1016	1.48	U	1.47	U	1.46	U	28.6	U	1.39	U	0.3	U	0.288	U	0.288	U	0.273	U
Aroclor 1221	1.48	U	1.47	U	1.46	U	28.6	U	1.39	U	0.3	U	0.288	U	0.288	U	0.273	U
Aroclor 1232	1.48	U	1.47	U	1.46	U	28.6	U	1.39	U	0.3	U	0.288	U	0.288	U	0.273	U
Aroclor 1242	1.48	U	1.47	U	1.46	U	28.6	U	1.39	U	0.3	U	0.288	U	0.288	U	0.273	U
Aroclor 1248	0.99	U	0.98	U	1.01		**147**		0.926	U	1.28		0.79		0.503		0.461	
Aroclor 1254	1.48	U	1.47	U	1.46	U	28.6	U	1.39	U	0.3	U	0.288	U	0.288	U	0.273	U
Aroclor 1260	0.99	U	0.98	U	0.971	U	19	U	0.926	U	0.2	U	0.192	U	0.192	U	0.182	U
Aroclor 1262	0.495	U	0.49	U	0.485	U	9.52	U	0.463	U	0.1	U	0.0962	U	0.0962	U	0.0909	U
Aroclor 1268	0.495	U	0.49	U	0.485	U	9.52	U	0.463	U	0.1	U	0.0962	U	0.0962	U	0.0909	U

Highest detected concentration in sample set

PC-1 Multi-layered White with Red underneath paint found on columns thoughout garage
PC-2 Multi-layered White with Green underneath paint found on columns thoughout garage
PC-3 Multi-layered White with Yellow underneath paint found on floor throughout parking garage (lines for parking spaces)
PC-4 White paint on the interior of outer walls throughout garage
PC-5 Multi-layered White with Yellow underneath paint found on columns throughout parking garage
PC-6 Multi-layered White with Blue underneath paint found on columns throughout parking garage
PC-7 Multi-layered Yellow with Black and White underneath paint found on edges of curbing throughout parking garage
PC-8 Gray paint on the raised platform around the entrances to stairwells throughout garage

All samples were composites from multiple locations throughout garage and each paint type was found on each floor of the garage

Table 2 - Concrete Core Sample Results
Former Worcester Commons Parking Garage, City Square, Worcester, MA
Parking Space Painted Striping Concrete Core Samples Collected October 28, 2009

CON-4					
Core A			Core B		
Depth Interval (inches)	Sample ID	Concentration (mg/kg)	Depth Interval (inches)	Sample ID	Concentration (mg/kg)
0.0-0.25	CON-4A-0.0-0.25	54.5	0.0-0.5	CON-4B-0.0-0.5	0.146
0.38-0.88	CON-4A-0.38-0.88	0.209	NT	NT	NT
0.38-0.88	DUP-CON-2	0.190	NT	NT	NT
CON-5					
Core A			Core B		
Depth Interval (inches)	Sample ID	Concentration (mg/kg)	Depth Interval (inches)	Sample ID	Concentration (mg/kg)
0.0-0.5	CON-5A-0.0-0.5	103	0.0-0.56	CON-5B-0.0-0.56	0.0442
0.63-1.2	CON-5A-0.63-1.2	0.117	NT	NT	NT
0.63-1.2	DUP-CON-3	0.130	NT	NT	NT
CON-6					
Core A			Core B		
Depth Interval (inches)	Sample ID	Concentration (mg/kg)	Depth Interval (inches)	Sample ID	Concentration (mg/kg)
0.0-0.62	CON-6A-0.0-0.62	0.937	NT	NT	NT
Location CON-6 was not selected for further analysis.			NT	NT	NT
CON-7					
Core A			Core B		
Depth Interval (inches)	Sample ID	Concentration (mg/kg)	Depth Interval (inches)	Sample ID	Concentration (mg/kg)
0.0-0.44	CON-7A-0.0-0.44	0.370	NT	NT	NT
Location CON-7 was not selected for further analysis.			NT	NT	NT

Notes:
Core A is located within the painted stripe; Core B was located adjacent to the painted stripe (within 2"); Core C was centered 4.5 inches from the edge of the painted stripe.
There were no samples analyzed from Core C at any of the four locations.

Appendix B

Laboratory Reports

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 9/9/09

ALPHA Job #: L0912517

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: URS Corporation
Address: 5 Industrial Way
Salem, NH 03079
Phone: 603-893-0616
Fax:
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Mall Garage - City Square
Project Location: Worcester, MA
Project #:
Project Manager: David Ellis
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/16/09 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: MCP / CAM
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	TCLP SW-846 RCRA 7 metals CAM 6010/7471	RCRA 8 metals	pH SW-846	Reactivity SW-846	Total Solids	RCRA 7 metals CAM 6010	PCBs CAM 8082					Sample Specific Comments	TOTAL # BOTTLES
12517.1	CON-1	9-8-09	1135	X1	CT/BG	X	X	X	X	X								3
1	MS/MSD-CON-1	9-8-09	1200	X1	CT/BG	X	X	X	X	X								6
2	CON-2	9-8-09	1300	X1	CT/BG	X	X	X	X	X								3
3	CON-3	9-8-09	1345	X1	CT/BG	X	X	X	X	X								3
4	DUP-CON-1	9-8-09	1500	X1	CT/BG	X	X	X	X	X								3
5	DUP-PC-1	9-8-09	1200	X1	CT/BG						X	X						1
6	PC-1	9-8-09	1400	X1	CT/BG						X	X						1
7	PC-2	9-8-09	1410	X1	CT/BG						X	X						1
6	~~PC~~ MS/MSD-PC-1	9-8-09	1405	X1	CT/BG						X	X						2
8	PC-3	9-8-09	1415	X1	CT/BG						X	X						1
					Container Type	A	P	P	P	P	A	A						
					Preservative	A	A	A	A	A	A	A						

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9/8/09 9/9/09	[signature]	9/9/09 9/9/09 9:45

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

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: 9/9/09

ALPHA Job #: L0912517

Client Information

Client: URS Corporation

Address: 5 Industrial Way Salem, NH 03079

Phone: 603-893-0616

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Mall Garage - City Square

Project Location: Worcester, MA

Project #:

Project Manager: David Ellis

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/16/09 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
MCP / CAM	

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: RCRA7 Metals CAM(wb) PCBs CAM8082

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	RCRA7 Metals CAM(wb)	PCBs CAM8082	Sample Specific Comments	TOTAL # BOTTLES
12517.9	PC-4	9-8-09	1420	X1	CT/BG	X	X		1
10	PC-5	9-8-09	1425	X1	CT/BG	X	X		1
11	PC-6	9-8-09	1430	X1	CT/BG	X	X		1
12	PC-7	9-8-09	1435	X-1	CT/BG	X	X		1
13	PC-8	9-8-09	1440	X1	CT/BG	X	X		1

Container Type	A	A
Preservative	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9/8/09 9	[signature]	9/9/09 8:45
	9/9/09		9/9/09 1715

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:	L0912517
Client:	URS Corporation 5 Industrial Way Salem, NH 03079
ATTN:	Judith LeClair
Project Name:	MALL GARAGE-CITY SQUARE
Project Number:	Not Specified
Report Date:	09/21/09

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: MALL GARAGE-CITY SQUARE
Project Number: Not Specified

Lab Number: L0912517
Report Date: 09/21/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0912517-01	CON-1	WORCESTER, MA	09/08/09 11:35
L0912517-02	CON-2	WORCESTER, MA	09/08/09 13:00
L0912517-03	CON-3	WORCESTER, MA	09/08/09 13:45
L0912517-04	DUP-CON-1	WORCESTER, MA	09/08/09 15:00
L0912517-05	DUP-PC-1	WORCESTER, MA	09/08/09 12:00
L0912517-06	PC-1	WORCESTER, MA	09/08/09 14:00
L0912517-07	PC-2	WORCESTER, MA	09/08/09 14:10
L0912517-08	PC-3	WORCESTER, MA	09/08/09 14:15
L0912517-09	PC-4	WORCESTER, MA	09/08/09 14:20
L0912517-10	PC-5	WORCESTER, MA	09/08/09 14:25
L0912517-11	PC-6	WORCESTER, MA	09/08/09 14:30
L0912517-12	PC-7	WORCESTER, MA	09/08/09 14:35
L0912517-13	PC-8	WORCESTER, MA	09/08/09 14:40

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A

A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	NO
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

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.

Report Submission

This report replaces the report issued on September 18, 2009. The WG380029-1 Method Blank reporting limit for Selenium has been lowered.

MCP Related Narratives

PCB

L0912517-05 through -13 and the associated QC have elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix. In addition, L0912517-05, -06, -07 and -09 have elevated detection limits due to the dilutions required by matrix interferences encountered during the

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

Case Narrative (continued)

concentration of the samples. L0912517-08 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

In reference to question E:
The surrogate recoveries for L0912517-08 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.
The WG379252-2/-3 LCS/LCSD RPDs, associated with L0912517-05 through -13, are above the acceptance criteria for Aroclor 1016 (37%) and Aroclor 1260 (36%); however, the individual LCS/LCSD recoveries are within method limits. The results of the associated samples are reported.
The surrogate recoveries for the WG379252-3 LCSD, associated with L0912517-05 through -13, are above the acceptance criteria for Decachlorobiphenyl (163%/193%). The LCSD spike compounds are within overall method allowances; therefore, no further action was taken.

Metals
L0912517-02 has an elevated detection limit for Selenium due to the dilution required by matrix interferences encountered during analysis.
L0912517-08 and -12 were re-analyzed on a dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.
In reference to question E:
The WG380029-4/-5 MS/MSD recoveries, associated with L0912517-01, are below the acceptance criteria for Arsenic (40%/62%), Chromium (59%/62%), Lead (MS at 62%) and Selenium (65%/70%). A post digestion spike was performed with acceptable recoveries of Arsenic (79%), Chromium (83%), Lead (85%) and Selenium (77%). In addition the associated MS/MSD RPD was above the acceptance criteria for Arsenic (43%). The results of the associated sample are reported.
The WG380179-4/-5 MS/MSD recoveries for Barium (0%/393%), associated with L0912517-06, are invalid

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

Case Narrative (continued)

because the sample concentration is greater than four times the spike amount added.

The WG380179-4/-5 MS/MSD recoveries, associated with L0912517-06, are out of the acceptance criteria for Lead (MS at 217%) and Selenium (14/%13%). A post digestion spike was performed with unacceptable recoveries of Lead (64%) and Selenium (135%). This has been attributed to sample matrix.

The WG380179-4/-5 MS/MSD recoveries, associated with L0912517-06, are out of the acceptance criteria for Arsenic (2%/0%), Cadmium (60%/71%) and Chromium (MSD 301%). A post digestion spike was performed with acceptable recoveries of Arsenic (118%), Cadmium (104%) and Chromium (76%).

The WG380179-4/-5 MS/MSD RPDs, associated with L0912517-06, are above the acceptance criteria for Arsenic (200%), Barium (200%), Chromium (108%) and Lead (71%). This has been attributed to the heterogeneous nature of the sample. The results of the associated samples are reported.

In reference to question F:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

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: 09/21/09

ORGANICS

PCBS

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-05	Date Collected:	09/08/09 12:00
Client ID:	DUP-PC-1	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	09/11/09 02:20
Analytical Date:	09/14/09 19:12	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	09/13/09
Percent Solids:	Results are reported on an 'AS RECEIVED' bas	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	1480	5
Aroclor 1221	ND		ug/kg	1480	5
Aroclor 1232	ND		ug/kg	1480	5
Aroclor 1242	ND		ug/kg	1480	5
Aroclor 1248	ND		ug/kg	990	5
Aroclor 1254	ND		ug/kg	1480	5
Aroclor 1260	ND		ug/kg	990	5
Aroclor 1262	ND		ug/kg	495	5
Aroclor 1268	ND		ug/kg	495	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	123		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	124		30-150	B

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-06	Date Collected:	09/08/09 14:00
Client ID:	PC-1	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	09/11/09 02:20
Analytical Date:	09/14/09 19:24	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	09/13/09
Percent Solids:	Results are reported on an 'AS RECEIVED' bas	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	1470	5
Aroclor 1221	ND		ug/kg	1470	5
Aroclor 1232	ND		ug/kg	1470	5
Aroclor 1242	ND		ug/kg	1470	5
Aroclor 1248	ND		ug/kg	980	5
Aroclor 1254	ND		ug/kg	1470	5
Aroclor 1260	ND		ug/kg	980	5
Aroclor 1262	ND		ug/kg	490	5
Aroclor 1268	ND		ug/kg	490	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	121		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	122		30-150	B

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-07	Date Collected:	09/08/09 14:10
Client ID:	PC-2	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	09/11/09 02:20
Analytical Date:	09/14/09 19:36	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	09/13/09
Percent Solids:	Results are reported on an 'AS RECEIVED' bas	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	1460	5
Aroclor 1221	ND		ug/kg	1460	5
Aroclor 1232	ND		ug/kg	1460	5
Aroclor 1242	ND		ug/kg	1460	5
Aroclor 1248	1010		ug/kg	971	5
Aroclor 1254	ND		ug/kg	1460	5
Aroclor 1260	ND		ug/kg	971	5
Aroclor 1262	ND		ug/kg	485	5
Aroclor 1268	ND		ug/kg	485	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	123		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	130		30-150	B

Project Name: MALL GARAGE-CITY SQUARE **Lab Number:** L0912517

Project Number: Not Specified **Report Date:** 09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-08	Date Collected:	09/08/09 14:15
Client ID:	PC-3	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	09/11/09 02:20
Analytical Date:	09/15/09 15:51	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	09/13/09
Percent Solids:	Results are reported on an 'AS RECEIVED' bas	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	28600	100
Aroclor 1221	ND		ug/kg	28600	100
Aroclor 1232	ND		ug/kg	28600	100
Aroclor 1242	ND		ug/kg	28600	100
Aroclor 1248	147000		ug/kg	19000	100
Aroclor 1254	ND		ug/kg	28600	100
Aroclor 1260	ND		ug/kg	19000	100
Aroclor 1262	ND		ug/kg	9520	100
Aroclor 1268	ND		ug/kg	9520	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:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-09	Date Collected:	09/08/09 14:20
Client ID:	PC-4	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	09/11/09 02:20
Analytical Date:	09/14/09 20:01	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	09/13/09
Percent Solids:	Results are reported on an 'AS RECEIVED' bas	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	1390	5
Aroclor 1221	ND		ug/kg	1390	5
Aroclor 1232	ND		ug/kg	1390	5
Aroclor 1242	ND		ug/kg	1390	5
Aroclor 1248	ND		ug/kg	926	5
Aroclor 1254	ND		ug/kg	1390	5
Aroclor 1260	ND		ug/kg	926	5
Aroclor 1262	ND		ug/kg	463	5
Aroclor 1268	ND		ug/kg	463	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	140		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	128		30-150	B
Decachlorobiphenyl	143		30-150	B

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-10	Date Collected:	09/08/09 14:25
Client ID:	PC-5	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	09/11/09 02:20
Analytical Date:	09/14/09 20:25	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	09/13/09
Percent Solids:	Results are reported on an 'AS RECEIVED' bas	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1248	1280		ug/kg	200	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-10	Date Collected:	09/08/09 14:25
Client ID:	PC-5	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	09/11/09 02:20
Analytical Date:	09/14/09 20:25	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	09/13/09
Percent Solids:	Results are reported on an 'AS RECEIVED' bas	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	300	1
Aroclor 1221	ND		ug/kg	300	1
Aroclor 1232	ND		ug/kg	300	1
Aroclor 1242	ND		ug/kg	300	1
Aroclor 1254	ND		ug/kg	300	1
Aroclor 1260	ND		ug/kg	200	1
Aroclor 1262	ND		ug/kg	100	1
Aroclor 1268	ND		ug/kg	100	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-11	Date Collected:	09/08/09 14:30
Client ID:	PC-6	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	09/11/09 02:20
Analytical Date:	09/14/09 20:38	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	09/13/09
Percent Solids:	Results are reported on an 'AS RECEIVED' bas	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	288	1
Aroclor 1221	ND		ug/kg	288	1
Aroclor 1232	ND		ug/kg	288	1
Aroclor 1242	ND		ug/kg	288	1
Aroclor 1254	ND		ug/kg	288	1
Aroclor 1260	ND		ug/kg	192	1
Aroclor 1262	ND		ug/kg	96.2	1
Aroclor 1268	ND		ug/kg	96.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-11	Date Collected:	09/08/09 14:30
Client ID:	PC-6	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	09/11/09 02:20
Analytical Date:	09/14/09 20:38	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	09/13/09
Percent Solids:	Results are reported on an 'AS RECEIVED' bas	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1248	790		ug/kg	192	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: MALL GARAGE-CITY SQUARE **Lab Number:** L0912517

Project Number: Not Specified **Report Date:** 09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-12	Date Collected:	09/08/09 14:35
Client ID:	PC-7	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	09/11/09 02:20
Analytical Date:	09/14/09 20:50	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	09/13/09
Percent Solids:	Results are reported on an 'AS RECEIVED' bas	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	288	1
Aroclor 1221	ND		ug/kg	288	1
Aroclor 1232	ND		ug/kg	288	1
Aroclor 1242	ND		ug/kg	288	1
Aroclor 1254	ND		ug/kg	288	1
Aroclor 1260	ND		ug/kg	192	1
Aroclor 1262	ND		ug/kg	96.2	1
Aroclor 1268	ND		ug/kg	96.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	121		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	144		30-150	B

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-12	Date Collected:	09/08/09 14:35
Client ID:	PC-7	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	09/11/09 02:20
Analytical Date:	09/14/09 20:50	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	09/13/09
Percent Solids:	Results are reported on an 'AS RECEIVED' bas	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1248	503		ug/kg	192	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	121		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	144		30-150	B

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-13	Date Collected:	09/08/09 14:40
Client ID:	PC-8	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	09/11/09 02:20
Analytical Date:	09/14/09 21:02	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	09/13/09
Percent Solids:	Results are reported on an 'AS RECEIVED' bas	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	273	1
Aroclor 1221	ND		ug/kg	273	1
Aroclor 1232	ND		ug/kg	273	1
Aroclor 1242	ND		ug/kg	273	1
Aroclor 1254	ND		ug/kg	273	1
Aroclor 1260	ND		ug/kg	182	1
Aroclor 1262	ND		ug/kg	90.9	1
Aroclor 1268	ND		ug/kg	90.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-13	Date Collected:	09/08/09 14:40
Client ID:	PC-8	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	09/11/09 02:20
Analytical Date:	09/14/09 21:02	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	09/13/09
Percent Solids:	Results are reported on an 'AS RECEIVED' bas	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1248	461		ug/kg	182	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: MALL GARAGE-CITY SQUARE **Lab Number:** L0912517

Project Number: Not Specified **Report Date:** 09/21/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 64,8082
Analytical Date: 09/14/09 18:11
Analyst: SH

Extraction Method: EPA 3540C
Extraction Date: 09/11/09 02:20
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/13/09
Cleanup Method2: - - - -
Cleanup Date2:

Parameter	Result	Qualifier	Units	RDL
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 05-13 Batch: WG379252-1				
Aroclor 1016	ND		ug/kg	20.0
Aroclor 1221	ND		ug/kg	20.0
Aroclor 1232	ND		ug/kg	20.0
Aroclor 1242	ND		ug/kg	20.0
Aroclor 1248	ND		ug/kg	13.3
Aroclor 1254	ND		ug/kg	20.0
Aroclor 1260	ND		ug/kg	13.3
Aroclor 1262	ND		ug/kg	6.67
Aroclor 1268	ND		ug/kg	6.67

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	135		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: MALL GARAGE-CITY SQUARE
Project Number: Not Specified

Lab Number: L0912517
Report Date: 09/21/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 05-13 QC Batch ID: WG379252-4 WG379252-5 QC Sample: L0912517-06 Client ID: PC-1									
Aroclor 1016	ND	2920	1200	41	1280	46	40-140	11	50
Aroclor 1260	ND	2920	1180	40	1160	42	40-140	3	50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	*Column*
2,4,5,6-Tetrachloro-m-xylene	58		53		30-150	A
Decachlorobiphenyl	63		59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		46		30-150	B
Decachlorobiphenyl	70		65		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: MALL GARAGE-CITY SQUARE

Project Number: Not Specified

Lab Number: L0912517

Report Date: 09/21/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 05-13 Batch: WG379252-2 WG379252-3					
Aroclor 1016	89	130	40-140	**37**	30
Aroclor 1260	88	126	40-140	**36**	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		112		30-150	A
Decachlorobiphenyl	128		163		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		127		30-150	B
Decachlorobiphenyl	114		193		30-150	B

METALS

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-01	Date Collected:	09/08/09 11:35
Client ID:	CON-1	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	09/10/09 15:10
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab										
Arsenic, TCLP	ND		mg/l	1.0	1	09/16/09 13:50	09/16/09 15:17	EPA 3015	1,6010B	AI
Barium, TCLP	ND		mg/l	0.50	1	09/16/09 13:50	09/16/09 15:17	EPA 3015	1,6010B	AI
Cadmium, TCLP	ND		mg/l	0.10	1	09/16/09 13:50	09/16/09 15:17	EPA 3015	1,6010B	AI
Chromium, TCLP	ND		mg/l	0.20	1	09/16/09 13:50	09/16/09 15:17	EPA 3015	1,6010B	AI
Lead, TCLP	ND		mg/l	0.50	1	09/16/09 13:50	09/16/09 15:17	EPA 3015	1,6010B	AI
Selenium, TCLP	ND		mg/l	0.50	1	09/16/09 13:50	09/16/09 15:17	EPA 3015	1,6010B	AI
Silver, TCLP	ND		mg/l	0.10	1	09/16/09 13:50	09/16/09 15:17	EPA 3015	1,6010B	AI

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-01	Date Collected:	09/08/09 11:35
Client ID:	CON-1	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Arsenic, Total	13		mg/kg	0.42	1	09/16/09 13:20	09/18/09 11:36	EPA 3050B	60,6010B	MG
Barium, Total	53		mg/kg	0.42	1	09/16/09 13:20	09/18/09 11:36	EPA 3050B	60,6010B	MG
Cadmium, Total	0.55		mg/kg	0.42	1	09/16/09 13:20	09/18/09 11:36	EPA 3050B	60,6010B	MG
Chromium, Total	17		mg/kg	0.42	1	09/16/09 13:20	09/18/09 11:36	EPA 3050B	60,6010B	MG
Lead, Total	9.7		mg/kg	2.1	1	09/16/09 13:20	09/18/09 11:36	EPA 3050B	60,6010B	MG
Mercury, Total	ND		mg/kg	0.09	1	09/14/09 15:30	09/15/09 12:00	EPA 7471A	64,7471A	EZ
Selenium, Total	ND		mg/kg	0.84	1	09/16/09 13:20	09/18/09 11:36	EPA 3050B	60,6010B	MG
Silver, Total	ND		mg/kg	0.42	1	09/16/09 13:20	09/18/09 11:36	EPA 3050B	60,6010B	MG

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-02	Date Collected:	09/08/09 13:00
Client ID:	CON-2	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	09/10/09 15:10
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab										
Arsenic, TCLP	ND		mg/l	1.0	1	09/16/09 13:50	09/16/09 15:31	EPA 3015	1,6010B	AI
Barium, TCLP	ND		mg/l	0.50	1	09/16/09 13:50	09/16/09 15:31	EPA 3015	1,6010B	AI
Cadmium, TCLP	ND		mg/l	0.10	1	09/16/09 13:50	09/16/09 15:31	EPA 3015	1,6010B	AI
Chromium, TCLP	ND		mg/l	0.20	1	09/16/09 13:50	09/16/09 15:31	EPA 3015	1,6010B	AI
Lead, TCLP	ND		mg/l	0.50	1	09/16/09 13:50	09/16/09 15:31	EPA 3015	1,6010B	AI
Selenium, TCLP	ND		mg/l	0.50	1	09/16/09 13:50	09/16/09 15:31	EPA 3015	1,6010B	AI
Silver, TCLP	ND		mg/l	0.10	1	09/16/09 13:50	09/16/09 15:31	EPA 3015	1,6010B	AI

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-02	Date Collected:	09/08/09 13:00
Client ID:	CON-2	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Arsenic, Total	5.8		mg/kg	0.40	1	09/16/09 13:20	09/18/09 11:54	EPA 3050B	60,6010B	MG
Barium, Total	56		mg/kg	0.40	1	09/16/09 13:20	09/18/09 11:54	EPA 3050B	60,6010B	MG
Cadmium, Total	0.61		mg/kg	0.40	1	09/16/09 13:20	09/18/09 11:54	EPA 3050B	60,6010B	MG
Chromium, Total	16		mg/kg	0.40	1	09/16/09 13:20	09/18/09 11:54	EPA 3050B	60,6010B	MG
Lead, Total	8.6		mg/kg	2.0	1	09/16/09 13:20	09/18/09 11:54	EPA 3050B	60,6010B	MG
Mercury, Total	ND		mg/kg	0.09	1	09/14/09 15:30	09/15/09 12:05	EPA 7471A	64,7471A	EZ
Selenium, Total	ND		mg/kg	1.6	2	09/16/09 13:20	09/18/09 12:12	EPA 3050B	60,6010B	MG
Silver, Total	ND		mg/kg	0.40	1	09/16/09 13:20	09/18/09 11:54	EPA 3050B	60,6010B	MG

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-03	Date Collected:	09/08/09 13:45
Client ID:	CON-3	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	09/10/09 15:10
Percent Solids:	96%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab										
Arsenic, TCLP	ND		mg/l	1.0	1	09/16/09 13:50	09/16/09 15:34	EPA 3015	1,6010B	AI
Barium, TCLP	ND		mg/l	0.50	1	09/16/09 13:50	09/16/09 15:34	EPA 3015	1,6010B	AI
Cadmium, TCLP	ND		mg/l	0.10	1	09/16/09 13:50	09/16/09 15:34	EPA 3015	1,6010B	AI
Chromium, TCLP	ND		mg/l	0.20	1	09/16/09 13:50	09/16/09 15:34	EPA 3015	1,6010B	AI
Lead, TCLP	ND		mg/l	0.50	1	09/16/09 13:50	09/16/09 15:34	EPA 3015	1,6010B	AI
Selenium, TCLP	ND		mg/l	0.50	1	09/16/09 13:50	09/16/09 15:34	EPA 3015	1,6010B	AI
Silver, TCLP	ND		mg/l	0.10	1	09/16/09 13:50	09/16/09 15:34	EPA 3015	1,6010B	AI

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-03	Date Collected:	09/08/09 13:45
Client ID:	CON-3	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	
Percent Solids:	96%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Arsenic, Total	3.3		mg/kg	0.40	1	09/16/09 13:20	09/18/09 11:58	EPA 3050B	60,6010B	MG
Barium, Total	25		mg/kg	0.40	1	09/16/09 13:20	09/18/09 11:58	EPA 3050B	60,6010B	MG
Cadmium, Total	0.42		mg/kg	0.40	1	09/16/09 13:20	09/18/09 11:58	EPA 3050B	60,6010B	MG
Chromium, Total	12		mg/kg	0.40	1	09/16/09 13:20	09/18/09 11:58	EPA 3050B	60,6010B	MG
Lead, Total	5.8		mg/kg	2.0	1	09/16/09 13:20	09/18/09 11:58	EPA 3050B	60,6010B	MG
Mercury, Total	ND		mg/kg	0.08	1	09/14/09 15:30	09/15/09 12:07	EPA 7471A	64,7471A	EZ
Selenium, Total	ND		mg/kg	0.81	1	09/16/09 13:20	09/18/09 11:58	EPA 3050B	60,6010B	MG
Silver, Total	ND		mg/kg	0.40	1	09/16/09 13:20	09/18/09 11:58	EPA 3050B	60,6010B	MG

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-04	Date Collected:	09/08/09 15:00
Client ID:	DUP-CON-1	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	09/10/09 15:10
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab										
Arsenic, TCLP	ND		mg/l	1.0	1	09/16/09 13:50	09/16/09 15:37	EPA 3015	1,6010B	AI
Barium, TCLP	ND		mg/l	0.50	1	09/16/09 13:50	09/16/09 15:37	EPA 3015	1,6010B	AI
Cadmium, TCLP	ND		mg/l	0.10	1	09/16/09 13:50	09/16/09 15:37	EPA 3015	1,6010B	AI
Chromium, TCLP	ND		mg/l	0.20	1	09/16/09 13:50	09/16/09 15:37	EPA 3015	1,6010B	AI
Lead, TCLP	ND		mg/l	0.50	1	09/16/09 13:50	09/16/09 15:37	EPA 3015	1,6010B	AI
Selenium, TCLP	ND		mg/l	0.50	1	09/16/09 13:50	09/16/09 15:37	EPA 3015	1,6010B	AI
Silver, TCLP	ND		mg/l	0.10	1	09/16/09 13:50	09/16/09 15:37	EPA 3015	1,6010B	AI

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-04	Date Collected:	09/08/09 15:00
Client ID:	DUP-CON-1	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Arsenic, Total	4.5		mg/kg	0.42	1	09/16/09 13:20	09/18/09 12:02	EPA 3050B	60,6010B	MG
Barium, Total	29		mg/kg	0.42	1	09/16/09 13:20	09/18/09 12:02	EPA 3050B	60,6010B	MG
Cadmium, Total	0.57		mg/kg	0.42	1	09/16/09 13:20	09/18/09 12:02	EPA 3050B	60,6010B	MG
Chromium, Total	15		mg/kg	0.42	1	09/16/09 13:20	09/18/09 12:02	EPA 3050B	60,6010B	MG
Lead, Total	6.0		mg/kg	2.1	1	09/16/09 13:20	09/18/09 12:02	EPA 3050B	60,6010B	MG
Mercury, Total	ND		mg/kg	0.08	1	09/14/09 15:30	09/15/09 12:09	EPA 7471A	64,7471A	EZ
Selenium, Total	ND		mg/kg	0.85	1	09/16/09 13:20	09/18/09 12:02	EPA 3050B	60,6010B	MG
Silver, Total	ND		mg/kg	0.42	1	09/16/09 13:20	09/18/09 12:02	EPA 3050B	60,6010B	MG

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-05	Date Collected:	09/08/09 12:00
Client ID:	DUP-PC-1	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	
Percent Solids:	Results are reported on an 'AS RECEIVED basis.		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Arsenic, Total	0.44		mg/kg	0.38	1	09/16/09 13:20	09/18/09 12:07	EPA 3050B	60,6010B	MG
Barium, Total	840		mg/kg	0.38	1	09/16/09 13:20	09/18/09 12:07	EPA 3050B	60,6010B	MG
Cadmium, Total	ND		mg/kg	0.38	1	09/16/09 13:20	09/18/09 12:07	EPA 3050B	60,6010B	MG
Chromium, Total	18		mg/kg	0.38	1	09/16/09 13:20	09/18/09 12:07	EPA 3050B	60,6010B	MG
Lead, Total	160		mg/kg	1.9	1	09/16/09 13:20	09/18/09 12:07	EPA 3050B	60,6010B	MG
Selenium, Total	ND		mg/kg	0.76	1	09/16/09 13:20	09/18/09 12:07	EPA 3050B	60,6010B	MG
Silver, Total	0.66		mg/kg	0.38	1	09/16/09 13:20	09/18/09 12:07	EPA 3050B	60,6010B	MG

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-06	Date Collected:	09/08/09 14:00
Client ID:	PC-1	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	
Percent Solids:	Results are reported on an 'AS RECEIVED basis.		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Arsenic, Total	ND		mg/kg	0.40	1	09/16/09 13:20	09/18/09 13:58	EPA 3050B	60,6010B	AI
Barium, Total	1400		mg/kg	0.40	1	09/16/09 13:20	09/18/09 13:58	EPA 3050B	60,6010B	AI
Cadmium, Total	0.71		mg/kg	0.40	1	09/16/09 13:20	09/18/09 13:58	EPA 3050B	60,6010B	AI
Chromium, Total	16		mg/kg	0.40	1	09/16/09 13:20	09/18/09 13:58	EPA 3050B	60,6010B	AI
Lead, Total	77		mg/kg	2.0	1	09/16/09 13:20	09/18/09 13:58	EPA 3050B	60,6010B	AI
Selenium, Total	ND		mg/kg	0.79	1	09/16/09 13:20	09/18/09 13:58	EPA 3050B	60,6010B	AI
Silver, Total	1.9		mg/kg	0.40	1	09/16/09 13:20	09/18/09 13:58	EPA 3050B	60,6010B	AI

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-07	Date Collected:	09/08/09 14:10
Client ID:	PC-2	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	
Percent Solids:	Results are reported on an 'AS RECEIVED basis.		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Arsenic, Total	ND		mg/kg	0.38	1	09/16/09 13:20	09/18/09 14:21	EPA 3050B	60,6010B	AI
Barium, Total	1600		mg/kg	0.38	1	09/16/09 13:20	09/18/09 14:21	EPA 3050B	60,6010B	AI
Cadmium, Total	0.49		mg/kg	0.38	1	09/16/09 13:20	09/18/09 14:21	EPA 3050B	60,6010B	AI
Chromium, Total	190		mg/kg	0.38	1	09/16/09 13:20	09/18/09 14:21	EPA 3050B	60,6010B	AI
Lead, Total	1000		mg/kg	1.9	1	09/16/09 13:20	09/18/09 14:21	EPA 3050B	60,6010B	AI
Selenium, Total	ND		mg/kg	0.75	1	09/16/09 13:20	09/18/09 14:21	EPA 3050B	60,6010B	AI
Silver, Total	0.86		mg/kg	0.38	1	09/16/09 13:20	09/18/09 14:21	EPA 3050B	60,6010B	AI

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-08	Date Collected:	09/08/09 14:15
Client ID:	PC-3	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	
Percent Solids:	Results are reported on an 'AS RECEIVED basis.		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Arsenic, Total	1.1		mg/kg	0.39	1	09/16/09 13:20	09/18/09 14:27	EPA 3050B	60,6010B	AI
Barium, Total	42		mg/kg	0.39	1	09/16/09 13:20	09/18/09 14:27	EPA 3050B	60,6010B	AI
Cadmium, Total	1.7		mg/kg	0.39	1	09/16/09 13:20	09/18/09 14:27	EPA 3050B	60,6010B	AI
Chromium, Total	4300	E	mg/kg	0.39	1	09/16/09 13:20	09/18/09 14:27	EPA 3050B	60,6010B	AI
Chromium, Total	5000		mg/kg	3.9	10	09/16/09 13:20	09/18/09 15:16	EPA 3050B	60,6010B	AI
Lead, Total	12000		mg/kg	2.0	1	09/16/09 13:20	09/18/09 14:27	EPA 3050B	60,6010B	AI
Selenium, Total	ND		mg/kg	0.79	1	09/16/09 13:20	09/18/09 14:27	EPA 3050B	60,6010B	AI
Silver, Total	2.1		mg/kg	0.39	1	09/16/09 13:20	09/18/09 14:27	EPA 3050B	60,6010B	AI

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-09	Date Collected:	09/08/09 14:20
Client ID:	PC-4	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	
Percent Solids:	Results are reported on an 'AS RECEIVED basis.		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Arsenic, Total	ND		mg/kg	0.39	1	09/16/09 13:20	09/18/09 14:48	EPA 3050B	60,6010B	AI
Barium, Total	8.2		mg/kg	0.39	1	09/16/09 13:20	09/18/09 14:48	EPA 3050B	60,6010B	AI
Cadmium, Total	ND		mg/kg	0.39	1	09/16/09 13:20	09/18/09 14:48	EPA 3050B	60,6010B	AI
Chromium, Total	4.7		mg/kg	0.39	1	09/16/09 13:20	09/18/09 14:48	EPA 3050B	60,6010B	AI
Lead, Total	13		mg/kg	1.9	1	09/16/09 13:20	09/18/09 14:48	EPA 3050B	60,6010B	AI
Selenium, Total	ND		mg/kg	0.77	1	09/16/09 13:20	09/18/09 14:48	EPA 3050B	60,6010B	AI
Silver, Total	ND		mg/kg	0.39	1	09/16/09 13:20	09/18/09 14:48	EPA 3050B	60,6010B	AI

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-10	Date Collected:	09/08/09 14:25
Client ID:	PC-5	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	
Percent Solids:	Results are reported on an 'AS RECEIVED basis.		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Arsenic, Total	ND		mg/kg	0.40	1	09/16/09 13:20	09/18/09 14:54	EPA 3050B	60,6010B	AI
Barium, Total	590		mg/kg	0.40	1	09/16/09 13:20	09/18/09 14:54	EPA 3050B	60,6010B	AI
Cadmium, Total	0.43		mg/kg	0.40	1	09/16/09 13:20	09/18/09 14:54	EPA 3050B	60,6010B	AI
Chromium, Total	17		mg/kg	0.40	1	09/16/09 13:20	09/18/09 14:54	EPA 3050B	60,6010B	AI
Lead, Total	84		mg/kg	2.0	1	09/16/09 13:20	09/18/09 14:54	EPA 3050B	60,6010B	AI
Selenium, Total	ND		mg/kg	0.80	1	09/16/09 13:20	09/18/09 14:54	EPA 3050B	60,6010B	AI
Silver, Total	1.4		mg/kg	0.40	1	09/16/09 13:20	09/18/09 14:54	EPA 3050B	60,6010B	AI

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-11	Date Collected:	09/08/09 14:30
Client ID:	PC-6	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	
Percent Solids:	Results are reported on an 'AS RECEIVED basis.		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Arsenic, Total	ND		mg/kg	0.40	1	09/16/09 13:20	09/18/09 15:00	EPA 3050B	60,6010B	AI
Barium, Total	330		mg/kg	0.40	1	09/16/09 13:20	09/18/09 15:00	EPA 3050B	60,6010B	AI
Cadmium, Total	0.56		mg/kg	0.40	1	09/16/09 13:20	09/18/09 15:00	EPA 3050B	60,6010B	AI
Chromium, Total	12		mg/kg	0.40	1	09/16/09 13:20	09/18/09 15:00	EPA 3050B	60,6010B	AI
Lead, Total	62		mg/kg	2.0	1	09/16/09 13:20	09/18/09 15:00	EPA 3050B	60,6010B	AI
Selenium, Total	ND		mg/kg	0.80	1	09/16/09 13:20	09/18/09 15:00	EPA 3050B	60,6010B	AI
Silver, Total	0.60		mg/kg	0.40	1	09/16/09 13:20	09/18/09 15:00	EPA 3050B	60,6010B	AI

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-12	Date Collected:	09/08/09 14:35
Client ID:	PC-7	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	
Percent Solids:	Results are reported on an 'AS RECEIVED basis.		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Arsenic, Total	0.42		mg/kg	0.38	1	09/16/09 13:20	09/18/09 15:05	EPA 3050B	60,6010B	AI
Barium, Total	35		mg/kg	0.38	1	09/16/09 13:20	09/18/09 15:05	EPA 3050B	60,6010B	AI
Cadmium, Total	0.92		mg/kg	0.38	1	09/16/09 13:20	09/18/09 15:05	EPA 3050B	60,6010B	AI
Chromium, Total	1100	E	mg/kg	0.38	1	09/16/09 13:20	09/18/09 15:05	EPA 3050B	60,6010B	AI
Chromium, Total	1300		mg/kg	1.9	5	09/16/09 13:20	09/18/09 15:22	EPA 3050B	60,6010B	AI
Lead, Total	6200		mg/kg	1.9	1	09/16/09 13:20	09/18/09 15:05	EPA 3050B	60,6010B	AI
Selenium, Total	ND		mg/kg	0.76	1	09/16/09 13:20	09/18/09 15:05	EPA 3050B	60,6010B	AI
Silver, Total	0.82		mg/kg	0.38	1	09/16/09 13:20	09/18/09 15:05	EPA 3050B	60,6010B	AI

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

SAMPLE RESULTS

Lab ID:	L0912517-13	Date Collected:	09/08/09 14:40
Client ID:	PC-8	Date Received:	09/09/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	
Percent Solids:	Results are reported on an 'AS RECEIVED basis.		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Arsenic, Total	ND		mg/kg	0.38	1	09/16/09 13:20	09/18/09 15:11	EPA 3050B	60,6010B	AI
Barium, Total	34		mg/kg	0.38	1	09/16/09 13:20	09/18/09 15:11	EPA 3050B	60,6010B	AI
Cadmium, Total	4.7		mg/kg	0.38	1	09/16/09 13:20	09/18/09 15:11	EPA 3050B	60,6010B	AI
Chromium, Total	7.7		mg/kg	0.38	1	09/16/09 13:20	09/18/09 15:11	EPA 3050B	60,6010B	AI
Lead, Total	35		mg/kg	1.9	1	09/16/09 13:20	09/18/09 15:11	EPA 3050B	60,6010B	AI
Selenium, Total	ND		mg/kg	0.77	1	09/16/09 13:20	09/18/09 15:11	EPA 3050B	60,6010B	AI
Silver, Total	5.0		mg/kg	0.38	1	09/16/09 13:20	09/18/09 15:11	EPA 3050B	60,6010B	AI

Project Name: MALL GARAGE-CITY SQUARE **Lab Number:** L0912517

Project Number: Not Specified **Report Date:** 09/21/09

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG379642-1									
Mercury, Total	ND		mg/kg	0.08	1	09/14/09 15:30	09/15/09 11:51	64,7471A	EZ

Prep Information

Digestion Method: EPA 7471A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01-05 Batch: WG380029-1									
Arsenic, Total	ND		mg/kg	0.40	1	09/16/09 13:20	09/18/09 11:09	60,6010B	MG
Barium, Total	ND		mg/kg	0.40	1	09/16/09 13:20	09/18/09 11:09	60,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	1	09/16/09 13:20	09/18/09 11:09	60,6010B	MG
Chromium, Total	ND		mg/kg	0.40	1	09/16/09 13:20	09/18/09 11:09	60,6010B	MG
Lead, Total	ND		mg/kg	2.0	1	09/16/09 13:20	09/18/09 11:09	60,6010B	MG
Selenium, Total	ND		mg/kg	0.80	1	09/16/09 13:20	09/18/09 11:09	60,6010B	MG
Silver, Total	ND		mg/kg	0.40	1	09/16/09 13:20	09/18/09 11:09	60,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01-04 Batch: WG380040-1									
Arsenic, TCLP	ND		mg/l	1.0	1	09/16/09 13:50	09/16/09 15:07	1,6010B	AI
Barium, TCLP	ND		mg/l	0.50	1	09/16/09 13:50	09/16/09 15:07	1,6010B	AI
Cadmium, TCLP	ND		mg/l	0.10	1	09/16/09 13:50	09/16/09 15:07	1,6010B	AI
Chromium, TCLP	ND		mg/l	0.20	1	09/16/09 13:50	09/16/09 15:07	1,6010B	AI
Lead, TCLP	ND		mg/l	0.50	1	09/16/09 13:50	09/16/09 15:07	1,6010B	AI
Selenium, TCLP	ND		mg/l	0.50	1	09/16/09 13:50	09/16/09 15:07	1,6010B	AI
Silver, TCLP	ND		mg/l	0.10	1	09/16/09 13:50	09/16/09 15:07	1,6010B	AI

Project Name: MALL GARAGE-CITY SQUARE **Lab Number:** L0912517

Project Number: Not Specified **Report Date:** 09/21/09

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3015

TCLP Extraction Date: 09/10/09 15:10

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 06-13 Batch: WG380179-1									
Arsenic, Total	ND		mg/kg	0.40	1	09/16/09 13:20	09/18/09 13:36	60,6010B	AI
Barium, Total	ND		mg/kg	0.40	1	09/16/09 13:20	09/18/09 13:36	60,6010B	AI
Cadmium, Total	ND		mg/kg	0.40	1	09/16/09 13:20	09/18/09 13:36	60,6010B	AI
Chromium, Total	ND		mg/kg	0.40	1	09/16/09 13:20	09/18/09 13:36	60,6010B	AI
Lead, Total	ND		mg/kg	2.0	1	09/16/09 13:20	09/18/09 13:36	60,6010B	AI
Selenium, Total	ND		mg/kg	0.80	1	09/16/09 13:20	09/18/09 13:36	60,6010B	AI
Silver, Total	ND		mg/kg	0.40	1	09/16/09 13:20	09/18/09 13:36	60,6010B	AI

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: MALL GARAGE-CITY SQUARE
Project Number: Not Specified

Lab Number: L0912517
Report Date: 09/21/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG379642-2 WG379642-3					
Mercury, Total	104	102	75-125	2	30
MCP Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG380029-2 WG380029-3					
Arsenic, Total	99	101	75-125	2	30
Barium, Total	94	96	75-125	2	30
Cadmium, Total	101	104	75-125	3	30
Chromium, Total	98	100	75-125	2	30
Lead, Total	101	99	75-125	2	30
Selenium, Total	95	95	75-125	0	30
Silver, Total	95	93	75-125	2	30
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-04 Batch: WG380040-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	99	-	75-125	-	20
Cadmium, TCLP	100	-	75-125	-	20
Chromium, TCLP	95	-	75-125	-	20
Lead, TCLP	98	-	75-125	-	20
Selenium, TCLP	105	-	75-125	-	20
Silver, TCLP	100	-	75-125	-	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MALL GARAGE-CITY SQUARE
Project Number: Not Specified

Lab Number: L0912517
Report Date: 09/21/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 06-13 Batch: WG380179-2 WG380179-3					
Arsenic, Total	101	101	75-125	0	30
Barium, Total	99	100	75-125	1	30
Cadmium, Total	101	104	75-125	3	30
Chromium, Total	102	102	75-125	0	30
Lead, Total	101	104	75-125	3	30
Selenium, Total	99	101	75-125	2	30
Silver, Total	103	101	75-125	2	30

Matrix Spike Analysis
Batch Quality Control

Project Name: MALL GARAGE-CITY SQUARE
Project Number: Not Specified

Lab Number: L0912517
Report Date: 09/21/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG379642-4 WG379642-5 QC Sample: L0912517-01 Client ID: CON-1									
Mercury, Total	ND	0.17	0.18	106	0.18	104	75-125	2	35
MCP Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG380029-4 WG380029-5 QC Sample: L0912517-01 Client ID: CON-1									
Arsenic, Total	13	5.06	15	**40**	16	**62**	75-125	**43**	35
Barium, Total	53	84.3	120	79	120	83	75-125	5	35
Cadmium, Total	0.55	2.15	2.2	77	2.2	80	75-125	4	35
Chromium, Total	17	8.43	22	**59**	22	**62**	75-125	5	35
Lead, Total	9.7	21.5	23	**62**	26	79	75-125	24	35
Selenium, Total	ND	5.06	3.3	**65**	3.4	**70**	75-125	7	35
Silver, Total	ND	12.6	11	87	11	91	75-125	4	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG380040-3 WG380040-4 QC Sample: L0912517-01 Client ID: CON-1									
Arsenic, TCLP	ND	10	10	100	10	100	75-125	0	20
Barium, TCLP	ND	100	97	97	97	97	75-125	0	20
Cadmium, TCLP	ND	10	10	100	9.9	99	75-125	1	20
Chromium, TCLP	ND	10	9.4	94	9.5	95	75-125	1	20
Lead, TCLP	ND	10	9.8	98	9.8	98	75-125	0	20
Selenium, TCLP	ND	20	20	100	20	100	75-125	0	20
Silver, TCLP	ND	10	10	100	10	100	75-125	0	20

Matrix Spike Analysis
Batch Quality Control

Project Name: MALL GARAGE-CITY SQUARE
Project Number: Not Specified

Lab Number: L0912517
Report Date: 09/21/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 06-13 QC Batch ID: WG380179-4 WG380179-5 QC Sample: L0912517-06 Client ID: PC-1									
Arsenic, Total	ND	4.67	ND	**2**	ND	**0**	75-125	**200**	35
Barium, Total	1400	77.8	970	**0**	1700	**393**	75-125	**200**	35
Cadmium, Total	0.71	1.98	1.9	**60**	2.1	**71**	75-125	17	35
Chromium, Total	16	7.78	23	90	39	**301**	75-125	**108**	35
Lead, Total	77	19.8	120	**217**	97	103	75-125	**71**	35
Selenium, Total	ND	4.67	ND	**14**	ND	**13**	75-125	7	35
Silver, Total	1.9	11.7	11	78	13	97	75-125	22	35

INORGANICS
&
MISCELLANEOUS

Project Name: MALL GARAGE-CITY SQUARE
Project Number: Not Specified

Lab Number: L0912517
Report Date: 09/21/09

SAMPLE RESULTS

Lab ID: L0912517-01
Client ID: CON-1
Sample Location: WORCESTER, MA
Matrix: Solid

Date Collected: 09/08/09 11:35
Date Received: 09/09/09
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	-	09/11/09 13:10	30,2540G	TL
pH	12.6		SU	-	1	-	09/10/09 18:00	1,9045C	BH
Cyanide, Reactive	ND		mg/kg	10	1	-	09/10/09 11:20	1,7.3	TH
Sulfide, Reactive	ND		mg/kg	10	1	-	09/10/09 11:20	1,7.3	TH

Project Name: MALL GARAGE-CITY SQUARE
Project Number: Not Specified

Lab Number: L0912517
Report Date: 09/21/09

SAMPLE RESULTS

Lab ID: L0912517-02
Client ID: CON-2
Sample Location: WORCESTER, MA
Matrix: Solid

Date Collected: 09/08/09 13:00
Date Received: 09/09/09
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	-	09/11/09 13:10	30,2540G	TL
pH	12.5		SU	-	1	-	09/10/09 18:00	1,9045C	BH
Cyanide, Reactive	ND		mg/kg	10	1	-	09/10/09 11:20	1,7.3	TH
Sulfide, Reactive	ND		mg/kg	10	1	-	09/10/09 11:20	1,7.3	TH

Project Name: MALL GARAGE-CITY SQUARE
Project Number: Not Specified

Lab Number: L0912517
Report Date: 09/21/09

SAMPLE RESULTS

Lab ID: L0912517-03
Client ID: CON-3
Sample Location: WORCESTER, MA
Matrix: Solid

Date Collected: 09/08/09 13:45
Date Received: 09/09/09
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	-	09/11/09 13:10	30,2540G	TL
pH	12.2		SU	-	1	-	09/10/09 18:00	1,9045C	BH
Cyanide, Reactive	ND		mg/kg	10	1	-	09/10/09 11:20	1,7.3	TH
Sulfide, Reactive	ND		mg/kg	10	1	-	09/10/09 11:20	1,7.3	TH

Project Name: MALL GARAGE-CITY SQUARE
Project Number: Not Specified

Lab Number: L0912517
Report Date: 09/21/09

SAMPLE RESULTS

Lab ID: L0912517-04
Client ID: DUP-CON-1
Sample Location: WORCESTER, MA
Matrix: Solid

Date Collected: 09/08/09 15:00
Date Received: 09/09/09
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	-	09/11/09 13:10	30,2540G	TL
pH	12.5		SU	-	1	-	09/10/09 18:00	1,9045C	BH
Cyanide, Reactive	ND		mg/kg	10	1	-	09/10/09 11:20	1,7.3	TH
Sulfide, Reactive	ND		mg/kg	10	1	-	09/10/09 11:20	1,7.3	TH

Project Name: MALL GARAGE-CITY SQUARE **Lab Number:** L0912517

Project Number: Not Specified **Report Date:** 09/21/09

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG379216-1									
Sulfide, Reactive	ND		mg/kg	10	1	-	09/10/09 11:20	1,7.3	TH
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG379217-1									
Cyanide, Reactive	ND		mg/kg	10	1	-	09/10/09 11:20	1,7.3	TH

Lab Control Sample Analysis
Batch Quality Control

Project Name: MALL GARAGE-CITY SQUARE
Project Number: Not Specified

Lab Number: L0912517
Report Date: 09/21/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG379205-1					
pH	100	-		-	
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG379216-2					
Sulfide, Reactive	88	-	60-125	-	40
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG379217-2					
Cyanide, Reactive	77	-	30-125	-	40

Lab Duplicate Analysis
Batch Quality Control

Project Name: MALL GARAGE-CITY SQUARE
Project Number: Not Specified

Lab Number: L0912517
Report Date: 09/21/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG379205-2 QC Sample: L0912517-01 Client ID: CON-1					
pH	12.6	12.6	SU	0	
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG379216-3 QC Sample: L0912517-01 Client ID: CON-1					
Sulfide, Reactive	ND	ND	mg/kg	NC	40
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG379217-3 QC Sample: L0912517-01 Client ID: CON-1					
Cyanide, Reactive	ND	ND	mg/kg	NC	40
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG379334-1 QC Sample: L0912517-01 Client ID: CON-1					
Solids, Total	95	96	%	1	20

Project Name: MALL GARAGE-CITY SQUARE **Lab Number:** L0912517

Project Number: Not Specified **Report Date:** 09/21/09

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
L0912517-01A	Plastic 250ml unpreserved	A	N/A	2.8	Y	Absent	REACTS(14),MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),PH-9045(1),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-7471T(28),MCP-CD-6010T(180),MCP-CR-6010T(180),REACTCN(14)
L0912517-01B	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	REACTS(14),MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),PH-9045(1),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-7471T(28),MCP-CD-6010T(180),MCP-CR-6010T(180),REACTCN(14)
L0912517-01C	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L0912517-01D	Plastic 250ml unpreserved	A	N/A	2.8	Y	Absent	REACTS(14),MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),PH-9045(1),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-7471T(28),MCP-CD-6010T(180),MCP-CR-6010T(180),REACTCN(14)
L0912517-01E	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	REACTS(14),MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),PH-9045(1),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-7471T(28),MCP-CD-6010T(180),MCP-CR-6010T(180),REACTCN(14)
L0912517-01F	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L0912517-01G	Plastic 250ml unpreserved	A	N/A	2.8	Y	Absent	REACTS(14),MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),PH-9045(1),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-7471T(28),MCP-CD-6010T(180),MCP-CR-6010T(180),REACTCN(14)
L0912517-01H	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	REACTS(14),MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),PH-9045(1),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-7471T(28),MCP-CD-6010T(180),MCP-CR-6010T(180),REACTCN(14)
L0912517-01I	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)

*Hold days indicated by values in parentheses

Project Name: MALL GARAGE-CITY SQUARE **Lab Number:** L0912517

Project Number: Not Specified **Report Date:** 09/21/09

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis
L0912517-01X	Plastic 250ml HNO3 preserved spl	A	N/A	2.8	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L0912517-02A	Plastic 250ml unpreserved	A	N/A	2.8	Y	Absent	REACTS(14),MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),PH-9045(1),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-7471T(28),MCP-CD-6010T(180),MCP-CR-6010T(180),REACTCN(14)
L0912517-02B	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	REACTS(14),MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),PH-9045(1),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-7471T(28),MCP-CD-6010T(180),MCP-CR-6010T(180),REACTCN(14)
L0912517-02C	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L0912517-02X	Plastic 250ml HNO3 preserved spl	A	N/A	2.8	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L0912517-03A	Plastic 250ml unpreserved	A	N/A	2.8	Y	Absent	REACTS(14),MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),PH-9045(1),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-7471T(28),MCP-CD-6010T(180),MCP-CR-6010T(180),REACTCN(14)
L0912517-03B	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	REACTS(14),MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),PH-9045(1),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-7471T(28),MCP-CD-6010T(180),MCP-CR-6010T(180),REACTCN(14)
L0912517-03C	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L0912517-03X	Plastic 250ml HNO3 preserved spl	A	N/A	2.8	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L0912517-04A	Plastic 250ml unpreserved	A	N/A	2.8	Y	Absent	REACTS(14),MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),PH-9045(1),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-7471T(28),MCP-CD-6010T(180),MCP-CR-6010T(180),REACTCN(14)
L0912517-04B	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	REACTS(14),MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),PH-9045(1),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-7471T(28),MCP-CD-6010T(180),MCP-CR-6010T(180),REACTCN(14)
L0912517-04C	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)

*Hold days indicated by values in parentheses

Project Name: MALL GARAGE-CITY SQUARE
Project Number: Not Specified

Lab Number: L0912517
Report Date: 09/21/09

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis
L0912517-04X	Plastic 250ml HNO3 preserved spl	A	N/A	2.8	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L0912517-05A	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-CD-6010T(180),MCP-CR-6010T(180),MCP-8082LL(14)
L0912517-06A	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-CD-6010T(180),MCP-CR-6010T(180),MCP-8082LL(14)
L0912517-06B	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-CD-6010T(180),MCP-CR-6010T(180),MCP-8082LL(14)
L0912517-06C	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-CD-6010T(180),MCP-CR-6010T(180),MCP-8082LL(14)
L0912517-07A	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-CD-6010T(180),MCP-CR-6010T(180),MCP-8082LL(14)
L0912517-08A	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-CD-6010T(180),MCP-CR-6010T(180),MCP-8082LL(14)
L0912517-09A	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-CD-6010T(180),MCP-CR-6010T(180),MCP-8082LL(14)
L0912517-10A	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-CD-6010T(180),MCP-CR-6010T(180),MCP-8082LL(14)

*Hold days indicated by values in parentheses

Project Name: MALL GARAGE-CITY SQUARE
Project Number: Not Specified

Lab Number: L0912517
Report Date: 09/21/09

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis
L0912517-11A	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-CD-6010T(180),MCP-CR-6010T(180),MCP-8082LL(14)
L0912517-12A	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-CD-6010T(180),MCP-CR-6010T(180),MCP-8082LL(14)
L0912517-13A	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	MCP-BA-6010T(180),MCP-AS-6010T(180),MCP-PB-6010T(180),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-CD-6010T(180),MCP-CR-6010T(180),MCP-8082LL(14)

Container Comments

L0912517-11A

L0912517-12A

L0912517-13A

*Hold days indicated by values in parentheses

Project Name:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

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:	MALL GARAGE-CITY SQUARE	**Lab Number:**	L0912517
Project Number:	Not Specified	**Report Date:**	09/21/09

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.

60 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

64 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). August 2004.

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)

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 9/9/09

ALPHA Job #: L0912517

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: URS Corporation
Address: 5 Industrial Way
Salem, NH 03079
Phone: 603-893-0616
Fax:
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Mall Garage - City Square
Project Location: Worcester, MA
Project #:
Project Manager: David Ellis
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/16/09 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: MCP / CAM
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	TCLP SW-846 RCRA 7 metals	RCRA 8 metals CAM 6010/7471	pH SW-846	Reactivity SW-846	Total Solids	RCRA 7 metals CAM 6010	PCBs CAM 8082						Sample Specific Comments	TOTAL # BOTTLES
12517.1	CON-1	9-8-09	1135	X1	CT/BG	X	X	X	X	X									3
1	MS/MSD-CON-1	9-8-09	1200	X1	CT/BG	X	X	X	X	X									6
2	CON-2	9-8-09	1300	X1	CT/BG	X	X	X	X	X									3
3	CON-3	9-8-09	1345	X1	CT/BG	X	X	X	X	X									3
4	DUP-CON-1	9-8-09	1500	X1	CT/BG	X	X	X	X	X									3
5	DUP-PC-1	9-8-09	1200	X1	CT/BG						X	X							1
6	PC-1	9-8-09	1400	X1	CT/BG						X	X							1
7	PC-2	9-8-09	1410	X1	CT/BG						X	X							1
6	~~PC~~ MS/MSD-PC-1	9-8-09	1405	X1	CT/BG						X	X							2
8	PC-3	9-8-09	1415	X1	CT/BG						X	X							1
					Container Type	A	P	P	P	P	A	A							
					Preservative	A	A	A	A	A	A	A							

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9/8/09 9/9/09	[signature]	9/9/09 9/9/09 1715

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: 9/9/09

ALPHA Job #: L0912517

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: WRS Corporation
Address: 5 Industrial Way
Salem, NH 03079
Phone: 603-893-0616
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Mall Garage - City Square
Project Location: Worcester, MA
Project #:
Project Manager: David Ellis
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/16/09 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
MCP / CAM	

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	RCRA Metals CAM(ug/l)	PCBs CAM8082	Sample Specific Comments	Total # Bottles
12517.9	PC-4	9-8-09	1420	X1	CT/BG	X	X		1
10	PC-5	9-8-09	1425	X1	CT/BG	X	X		1
11	PC-6	9-8-09	1430	X1	CT/BG	X	X		1
12	PC-7	9-8-09	1435	X-1	CT/BG	X	X		1
13	PC-8	9-8-09	1440	X1	CT/BG	X	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

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9/8/09 9	[signature]	9/9/09 8:45
	9/9/09		9/9/09 1715

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:	L0915570
Client:	URS Corporation 5 Industrial Way Salem, NH 03079
ATTN:	Judith LeClair
Project Name:	WORCESTER BUD
Project Number:	39743277.12
Report Date:	11/05/09

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: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915570
Report Date: 11/05/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0915570-01	PCON-1	WORCESTER, MA	10/28/09 13:17
L0915570-02	PCON-2	WORCESTER, MA	10/28/09 14:37
L0915570-03	PCON-3	WORCESTER, MA	10/28/09 14:30

Project Name:	WORCESTER BUD	**Lab Number:**	L0915570
Project Number:	39743277.12	**Report Date:**	11/05/09

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A

A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	YES
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WORCESTER BUD **Lab Number:** L0915570
Project Number: 39743277.12 **Report Date:** 11/05/09

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.

MCP Related Narratives

Report Submission

All MCP required questions were answered with affirmative responses; therefore, there are no relevant data issues to discuss.

Non-MCP Related Narratives

Report Submission

This report contains the results for the TCLP Metals analysis. The results for all other analyses will be issued under separate cover.

Project Name: WORCESTER BUD **Lab Number:** L0915570
Project Number: 39743277.12 **Report Date:** 11/05/09

Case Narrative (continued)

Sample Receipt

The analysis of TCLP Metals was performed and the Total Metals analysis was canceled at the client's request.

TCLP Metals

The WG387282-4 MS recovery associated with L0925570-03 is above the acceptance criteria for Mercury (136%). A post digestion spike was performed with an acceptable recovery of 108%.

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: 11/05/09

METALS

Project Name:	WORCESTER BUD	**Lab Number:**	L0915570
Project Number:	39743277.12	**Report Date:**	11/05/09

SAMPLE RESULTS

Lab ID:	L0915570-01	Date Collected:	10/28/09 13:17
Client ID:	PCON-1	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	11/02/09 15:35

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab										
Arsenic, TCLP	ND		mg/l	1.0	1	11/03/09 11:30	11/04/09 10:35	EPA 3015	1,6010B	AI
Barium, TCLP	ND		mg/l	0.50	1	11/03/09 11:30	11/04/09 10:35	EPA 3015	1,6010B	AI
Cadmium, TCLP	ND		mg/l	0.10	1	11/03/09 11:30	11/04/09 10:35	EPA 3015	1,6010B	AI
Chromium, TCLP	0.70		mg/l	0.20	1	11/03/09 11:30	11/04/09 10:35	EPA 3015	1,6010B	AI
Lead, TCLP	ND		mg/l	0.50	1	11/03/09 11:30	11/04/09 10:35	EPA 3015	1,6010B	AI
Mercury, TCLP	ND		mg/l	0.0010	1	11/03/09 12:15	11/03/09 16:40	EPA 7470A	1,7470A	EZ
Selenium, TCLP	ND		mg/l	0.50	1	11/03/09 11:30	11/04/09 10:35	EPA 3015	1,6010B	AI
Silver, TCLP	ND		mg/l	0.10	1	11/03/09 11:30	11/04/09 10:35	EPA 3015	1,6010B	AI

Project Name:	WORCESTER BUD	**Lab Number:**	L0915570
Project Number:	39743277.12	**Report Date:**	11/05/09

SAMPLE RESULTS

Lab ID:	L0915570-02	Date Collected:	10/28/09 14:37
Client ID:	PCON-2	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	11/02/09 15:35

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab										
Arsenic, TCLP	ND		mg/l	1.0	1	11/03/09 11:30	11/04/09 10:58	EPA 3015	1,6010B	AI
Barium, TCLP	ND		mg/l	0.50	1	11/03/09 11:30	11/04/09 10:58	EPA 3015	1,6010B	AI
Cadmium, TCLP	ND		mg/l	0.10	1	11/03/09 11:30	11/04/09 10:58	EPA 3015	1,6010B	AI
Chromium, TCLP	0.39		mg/l	0.20	1	11/03/09 11:30	11/04/09 10:58	EPA 3015	1,6010B	AI
Lead, TCLP	ND		mg/l	0.50	1	11/03/09 11:30	11/04/09 10:58	EPA 3015	1,6010B	AI
Mercury, TCLP	ND		mg/l	0.0010	1	11/03/09 12:15	11/03/09 16:42	EPA 7470A	1,7470A	EZ
Selenium, TCLP	ND		mg/l	0.50	1	11/03/09 11:30	11/04/09 10:58	EPA 3015	1,6010B	AI
Silver, TCLP	ND		mg/l	0.10	1	11/03/09 11:30	11/04/09 10:58	EPA 3015	1,6010B	AI

Project Name:	WORCESTER BUD	**Lab Number:**	L0915570
Project Number:	39743277.12	**Report Date:**	11/05/09

SAMPLE RESULTS

Lab ID:	L0915570-03	Date Collected:	10/28/09 14:30
Client ID:	PCON-3	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	TCLP/SPLP Ext. Date:	11/02/09 15:35

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab										
Arsenic, TCLP	ND		mg/l	1.0	1	11/03/09 11:30	11/04/09 11:01	EPA 3015	1,6010B	AI
Barium, TCLP	ND		mg/l	0.50	1	11/03/09 11:30	11/04/09 11:01	EPA 3015	1,6010B	AI
Cadmium, TCLP	ND		mg/l	0.10	1	11/03/09 11:30	11/04/09 11:01	EPA 3015	1,6010B	AI
Chromium, TCLP	ND		mg/l	0.20	1	11/03/09 11:30	11/04/09 11:01	EPA 3015	1,6010B	AI
Lead, TCLP	ND		mg/l	0.50	1	11/03/09 11:30	11/04/09 11:01	EPA 3015	1,6010B	AI
Mercury, TCLP	ND		mg/l	0.0010	1	11/03/09 12:15	11/03/09 16:47	EPA 7470A	1,7470A	EZ
Selenium, TCLP	ND		mg/l	0.50	1	11/03/09 11:30	11/04/09 11:01	EPA 3015	1,6010B	AI
Silver, TCLP	ND		mg/l	0.10	1	11/03/09 11:30	11/04/09 11:01	EPA 3015	1,6010B	AI

Project Name: WORCESTER BUD **Lab Number:** L0915570

Project Number: 39743277.12 **Report Date:** 11/05/09

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG387273-1									
Arsenic, TCLP	ND		mg/l	1.0	1	11/03/09 11:30	11/04/09 10:25	1,6010B	AI
Barium, TCLP	ND		mg/l	0.50	1	11/03/09 11:30	11/04/09 10:25	1,6010B	AI
Cadmium, TCLP	ND		mg/l	0.10	1	11/03/09 11:30	11/04/09 10:25	1,6010B	AI
Chromium, TCLP	ND		mg/l	0.20	1	11/03/09 11:30	11/04/09 10:25	1,6010B	AI
Lead, TCLP	ND		mg/l	0.50	1	11/03/09 11:30	11/04/09 10:25	1,6010B	AI
Selenium, TCLP	ND		mg/l	0.50	1	11/03/09 11:30	11/04/09 10:25	1,6010B	AI
Silver, TCLP	ND		mg/l	0.10	1	11/03/09 11:30	11/04/09 10:25	1,6010B	AI

Prep Information

Digestion Method: EPA 3015

TCLP Extraction Date: 11/02/09 15:35

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG387282-1									
Mercury, TCLP	ND		mg/l	0.0010	1	11/03/09 12:15	11/03/09 16:36	1,7470A	EZ

Prep Information

Digestion Method: EPA 7470A

TCLP Extraction Date: 11/02/09 15:35

Lab Control Sample Analysis
Batch Quality Control

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915570
Report Date: 11/05/09

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-03 Batch: WG387273-2								
Arsenic, TCLP	110		-		75-125	-		20
Barium, TCLP	100		-		75-125	-		20
Cadmium, TCLP	100		-		75-125	-		20
Chromium, TCLP	100		-		75-125	-		20
Lead, TCLP	100		-		75-125	-		20
Selenium, TCLP	110		-		75-125	-		20
Silver, TCLP	100		-		75-125	-		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-03 Batch: WG387282-2								
Mercury, TCLP	101		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: WORCESTER BUD
Project Number: 39743277.12
Lab Number: L0915570
Report Date: 11/05/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG387273-4 QC Sample: L0915570-01 Client ID: PCON-1												
Arsenic, TCLP	ND	10	11	110		-	-		75-125	-		20
Barium, TCLP	ND	100	100	100		-	-		75-125	-		20
Cadmium, TCLP	ND	10	11	110		-	-		75-125	-		20
Chromium, TCLP	0.70	10	11	103		-	-		75-125	-		20
Lead, TCLP	ND	10	10	100		-	-		75-125	-		20
Selenium, TCLP	ND	20	22	110		-	-		75-125	-		20
Silver, TCLP	ND	10	11	110		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG387282-4 QC Sample: L0915570-03 Client ID: PCON-3												
Mercury, TCLP	ND	0.005	0.0068	**136**	Q	-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915570
Report Date: 11/05/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG387273-3 QC Sample: L0915570-01 Client ID: PCON-1						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	ND	ND	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	0.70	0.72	mg/l	3		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG387282-3 QC Sample: L0915570-03 Client ID: PCON-3						
Mercury, TCLP	ND	ND	mg/l	NC		20

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915570
Report Date: 11/05/09

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
L0915570-01A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	-
L0915570-01X	Plastic 250ml HNO3 preserved spl	A	<2	2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L0915570-02A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	-
L0915570-02X	Plastic 250ml HNO3 preserved spl	A	<2	2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L0915570-03A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	-
L0915570-03X	Plastic 250ml HNO3 preserved spl	A	<2	2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

*Hold days indicated by values in parentheses

Project Name:	WORCESTER BUD	**Lab Number:**	L0915570
Project Number:	39743277.12	**Report Date:**	11/05/09

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: WORCESTER BUD **Lab Number:** L0915570
Project Number: 39743277.12 **Report Date:** 11/05/09

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 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 1 OF 7

Date Rec'd in Lab: 10/29/09 ~~10/30/09~~

ALPHA Job #: L0915570

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: URS Corporation

Address: 5 Industrial Way Salem, NH 03079

Phone: 603-893-0616

Fax: 603-893 6240

Email: Judith-LeClair@urscorp.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Worcester BUD

Project Location: Worcester, MA

Project #: 39743277.12

Project Manager: David Ellis

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 11/5/09 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: MCP

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:

Sample matrix is a mixture of concrete and paint glassware is Amber

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 RCRA 8	PCBs	Sample Specific Comments	TOTAL # BOTTLES
15570.1	PCON-1	10/28/09	1317	S	BG/CT	X			
2	PCON-2	↓	1437	↓	↓	X			
3	PCON-3	↓	1430	↓	↓	X			
	CON-4A-0.0-0.25	↓	1118 ~~1140~~	↓	↓		X		
	CON-5A-0.0-0.5	↓	1231	↓	↓		X		
	CON-6A-0.0-0.62	↓	1448	↓	↓		X		
	CON-7A-0.0-0.44	↓	1612	↓	↓		X		

J LeClair

J Lillian

J Lillian

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

	RCRA 8	PCBs
Container Type	G	G
Preservative	None	None

Relinquished By:	Date/Time	Received By:	Date/Time
Judith LeClair	10/29/09	[signature]	10/29/09 1230
[signature]	10/29/09	[signature]	10/29/09 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:	L0915572
Client:	URS Corporation 5 Industrial Way Salem, NH 03079
ATTN:	Judith LeClair
Project Name:	WORCESTER BUD
Project Number:	39743277.12
Report Date:	02/19/10

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: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 02/19/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0915572-01	CON-4A-0.0-0.25	WORCESTER, MA	10/28/09 11:18
L0915572-02	CON-5A-0.0-0.5	WORCESTER, MA	10/28/09 12:31
L0915572-03	CON-6A-0.0-0.62	WORCESTER, MA	10/28/09 14:48
L0915572-04	CON-7A-0.0-0.44	WORCESTER, MA	10/28/09 16:12
L0915572-05	CON-4A-0.38-0.88	WORCESTER, MA	10/28/09 11:30
L0915572-06	CON-4A-1.0-1.5	WORCESTER, MA	10/28/09 11:40
L0915572-07	CON-4A-1.6-2.1	WORCESTER, MA	10/28/09 11:50
L0915572-08	CON-4A-2.3-3.4	WORCESTER, MA	10/28/09 11:55
L0915572-09	CON-4B-0.0-0.5	WORCESTER, MA	10/28/09 11:40
L0915572-10	CON-4B-0.63-1.1	WORCESTER, MA	10/28/09 11:42
L0915572-11	CON-4B-1.3-1.8	WORCESTER, MA	10/28/09 11:45
L0915572-12	CON-4B-1.9-2.4	WORCESTER, MA	10/28/09 11:50
L0915572-13	CON-4B-2.6-3.6	WORCESTER, MA	10/28/09 11:53
L0915572-14	CON-4C-0.0-0.5	WORCESTER, MA	10/28/09 11:58
L0915572-15	CON-4C-0.63-1.1	WORCESTER, MA	10/28/09 11:59
L0915572-16	CON-4C-1.3-1.8	WORCESTER, MA	10/28/09 12:05
L0915572-17	CON-4C-1.9-2.4	WORCESTER, MA	10/28/09 12:06
L0915572-18	CON-4C-2.6-3.3	WORCESTER, MA	10/28/09 12:10
L0915572-19	CON-5A-0.63-1.2	WORCESTER, MA	10/28/09 12:33
L0915572-20	CON-5A-1.3-1.9	WORCESTER, MA	10/28/09 12:35
L0915572-21	CON-5A-2.0-2.7	WORCESTER, MA	10/28/09 12:38
L0915572-22	CON-5A-2.8-3.8	WORCESTER, MA	10/28/09 12:43
L0915572-23	CON-5B-0.0-0.56	WORCESTER, MA	10/28/09 12:50
L0915572-24	CON-5B-0.68-1.2	WORCESTER, MA	10/28/09 12:52
L0915572-25	CON-5B-1.3-1.7	WORCESTER, MA	10/28/09 12:55
L0915572-26	CON-5B-1.8-2.5	WORCESTER, MA	10/28/09 12:58
L0915572-27	CON-5C-0.0-0.56	WORCESTER, MA	10/28/09 13:02
L0915572-28	CON-5C-0.58-0.88	WORCESTER, MA	10/28/09 13:06
L0915572-29	CON-5C-1.0-1.6	WORCESTER, MA	10/28/09 13:10
L0915572-30	CON-5C-1.8-2.5	WORCESTER, MA	10/28/09 13:13
L0915572-31	CON-6A-0.75-1.4	WORCESTER, MA	10/28/09 14:50

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0915572-32	CON-6A-1.5-2.1	WORCESTER, MA	10/28/09 14:53
L0915572-33	CON-6A-2.3-2.9	WORCESTER, MA	10/28/09 14:57
L0915572-34	CON-6A-3.0-3.6	WORCESTER, MA	10/28/09 15:00
L0915572-35	CON-6A-3.8-4.3	WORCESTER, MA	10/28/09 15:05
L0915572-36	CON-6B-0.75-1.4	WORCESTER, MA	10/28/09 15:13
L0915572-37	CON-6B-0.0-0.62	WORCESTER, MA	10/28/09 15:09
L0915572-38	CON-6B-1.5-2.1	WORCESTER, MA	10/28/09 15:17
L0915572-39	CON-6B-2.3-2.9	WORCESTER, MA	10/28/09 15:20
L0915572-40	CON-6B-3.0-3.6	WORCESTER, MA	10/28/09 15:22
L0915572-41	CON-6B-3.8-4.3	WORCESTER, MA	10/28/09 15:23
L0915572-42	CON-6C-0.0-0.56	WORCESTER, MA	10/28/09 15:25
L0915572-43	CON-6C-0.69-1.3	WORCESTER, MA	10/28/09 15:26
L0915572-44	CON-6C-1.4-2.1	WORCESTER, MA	10/28/09 15:28
L0915572-45	CON-6C-2.2-2.8	WORCESTER, MA	10/28/09 15:29
L0915572-46	CON-6C-2.9-3.5	WORCESTER, MA	10/28/09 15:30
L0915572-47	CON-6C-3.7-4.3	WORCESTER, MA	10/28/09 15:32
L0915572-48	CON-7A-0.56-1.1	WORCESTER, MA	10/28/09 16:16
L0915572-49	CON-7A-1.2-1.8	WORCESTER, MA	10/28/09 16:18
L0915572-50	CON-7A-1.9-2.5	WORCESTER, MA	10/28/09 16:20
L0915572-51	CON-7A-2.7-2.9	WORCESTER, MA	10/28/09 16:21
L0915572-52	CON-7B-0.0-0.62	WORCESTER, MA	10/28/09 16:27
L0915572-53	CON-7B-0.74-1.3	WORCESTER, MA	10/28/09 16:29
L0915572-54	CON-7B-1.4-2.0	WORCESTER, MA	10/28/09 16:31
L0915572-55	CON-7B-2.1-2.6	WORCESTER, MA	10/28/09 16:33
L0915572-56	CON-7C-0.0-0.62	WORCESTER, MA	10/28/09 16:34
L0915572-57	CON-7C-0.75-1.4	WORCESTER, MA	10/28/09 16:35
L0915572-58	CON-7C-1.5-2.1	WORCESTER, MA	10/28/09 16:38
L0915572-59	CON-7C-2.2-2.8	WORCESTER, MA	10/28/09 16:40
L0915572-60	CON-7C-2.9-3.3	WORCESTER, MA	10/28/09 16:42
L0915572-61	DUP-CON-2	WORCESTER, MA	10/28/09 11:31
L0915572-62	DUP-CON-3	WORCESTER, MA	10/28/09 12:34
L0915572-63	DUP-CON-4	WORCESTER, MA	10/28/09 14:51
L0915572-64	DUP-CON-5	WORCESTER, MA	10/28/09 16:17

Project Name:	WORCESTER BUD	**Lab Number:**	L0915572
Project Number:	39743277.12	**Report Date:**	02/19/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A

A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	NO
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WORCESTER BUD **Lab Number:** L0915572
Project Number: 39743277.12 **Report Date:** 02/19/10

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.

MCP Related Narratives

PCB

L0915572-01 through -05, -09, -19, -23, -61, and -62 have elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrices.

L0915572-01 and -02 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L0915572-05, -19, -61, and -62 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

Project Name:	WORCESTER BUD	**Lab Number:**	L0915572
Project Number:	39743277.12	**Report Date:**	02/19/10

Case Narrative (continued)

In reference to question E:

The surrogate recoveries for L0915572-01 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.

The surrogate recovery for L0915572-03 is above the individual acceptance criteria for Decachlorobiphenyl (1280%), 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 surrogate recovery for the WG387003-1 Method Blank, associated with L0915572-01 through -04, is outside the individual acceptance criteria for Decachlorobiphenyl (186%), 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 WG387003-2/-3 LCS/LCSD RPD, associated with L0915572-01 through -04, 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: 02/19/10

ORGANICS

PCBS

Project Name:	WORCESTER BUD	**Lab Number:**	L0915572
Project Number:	39743277.12	**Report Date:**	02/19/10

SAMPLE RESULTS

Lab ID:	L0915572-01	Date Collected:	10/28/09 11:18
Client ID:	CON-4A-0.0-0.25	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	10/31/09 20:30
Analytical Date:	11/06/09 11:46	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/03/09
Percent Solids:	95%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1248	54500		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: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 02/19/10

SAMPLE RESULTS

Lab ID:	L0915572-01	Date Collected:	10/28/09 11:18
Client ID:	CON-4A-0.0-0.25	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	10/31/09 20:30
Analytical Date:	11/06/09 11:46	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/03/09
Percent Solids:	95%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	5460	100
Aroclor 1221	ND		ug/kg	5460	100
Aroclor 1232	ND		ug/kg	5460	100
Aroclor 1242	ND		ug/kg	5460	100
Aroclor 1254	ND		ug/kg	5460	100
Aroclor 1260	ND		ug/kg	3640	100
Aroclor 1262	ND		ug/kg	1820	100
Aroclor 1268	ND		ug/kg	1820	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:	WORCESTER BUD	**Lab Number:**	L0915572
Project Number:	39743277.12	**Report Date:**	02/19/10

SAMPLE RESULTS

Lab ID:	L0915572-02	Date Collected:	10/28/09 12:31
Client ID:	CON-5A-0.0-0.5	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	10/31/09 20:30
Analytical Date:	11/06/09 11:58	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/03/09
Percent Solids:	96%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1248	103000		ug/kg	7370	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: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 02/19/10

SAMPLE RESULTS

Lab ID:	L0915572-02	Date Collected:	10/28/09 12:31
Client ID:	CON-5A-0.0-0.5	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	10/31/09 20:30
Analytical Date:	11/06/09 11:58	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/03/09
Percent Solids:	96%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	11100	200
Aroclor 1221	ND		ug/kg	11100	200
Aroclor 1232	ND		ug/kg	11100	200
Aroclor 1242	ND		ug/kg	11100	200
Aroclor 1254	ND		ug/kg	11100	200
Aroclor 1260	ND		ug/kg	7370	200
Aroclor 1262	ND		ug/kg	3690	200
Aroclor 1268	ND		ug/kg	3690	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: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 02/19/10

SAMPLE RESULTS

Lab ID:	L0915572-03	Date Collected:	10/28/09 14:48
Client ID:	CON-6A-0.0-0.62	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	10/31/09 20:30
Analytical Date:	11/06/09 11:21	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/03/09
Percent Solids:	92%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	61.5	1
Aroclor 1221	ND		ug/kg	61.5	1
Aroclor 1232	ND		ug/kg	61.5	1
Aroclor 1242	ND		ug/kg	61.5	1
Aroclor 1248	937		ug/kg	41.0	1
Aroclor 1254	ND		ug/kg	61.5	1
Aroclor 1260	ND		ug/kg	41.0	1
Aroclor 1262	ND		ug/kg	20.5	1
Aroclor 1268	ND		ug/kg	20.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	**1280**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 02/19/10

SAMPLE RESULTS

Lab ID:	L0915572-04	Date Collected:	10/28/09 16:12
Client ID:	CON-7A-0.0-0.44	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	10/31/09 20:30
Analytical Date:	11/06/09 11:33	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/03/09
Percent Solids:	94%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	57.4	1
Aroclor 1221	ND		ug/kg	57.4	1
Aroclor 1232	ND		ug/kg	57.4	1
Aroclor 1242	ND		ug/kg	57.4	1
Aroclor 1248	370		ug/kg	38.3	1
Aroclor 1254	ND		ug/kg	57.4	1
Aroclor 1260	ND		ug/kg	38.3	1
Aroclor 1262	ND		ug/kg	19.1	1
Aroclor 1268	ND		ug/kg	19.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	35		30-150	A
Decachlorobiphenyl	134		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	126		30-150	B

Project Name: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 02/19/10

SAMPLE RESULTS

Lab ID:	L0915572-05	Date Collected:	10/28/09 11:30
Client ID:	CON-4A-0.38-0.88	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	11/10/09 18:39
Analytical Date:	11/16/09 16:19	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/16/09
Percent Solids:	96%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/16/09

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	125	2
Aroclor 1221	ND		ug/kg	125	2
Aroclor 1232	ND		ug/kg	125	2
Aroclor 1242	ND		ug/kg	125	2
Aroclor 1248	209		ug/kg	83.2	2
Aroclor 1254	ND		ug/kg	125	2
Aroclor 1260	ND		ug/kg	83.2	2
Aroclor 1262	ND		ug/kg	41.6	2
Aroclor 1268	ND		ug/kg	41.6	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 02/19/10

SAMPLE RESULTS

Lab ID:	L0915572-09	Date Collected:	10/28/09 11:40
Client ID:	CON-4B-0.0-0.5	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	11/10/09 18:39
Analytical Date:	11/16/09 16:32	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/16/09
Percent Solids:	98%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/16/09

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - 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 1254	ND		ug/kg	58.6	1
Aroclor 1260	ND		ug/kg	39.1	1
Aroclor 1262	ND		ug/kg	19.5	1
Aroclor 1268	ND		ug/kg	19.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 02/19/10

SAMPLE RESULTS

Lab ID:	L0915572-09	Date Collected:	10/28/09 11:40
Client ID:	CON-4B-0.0-0.5	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	11/10/09 18:39
Analytical Date:	11/16/09 16:32	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/16/09
Percent Solids:	98%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/16/09

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1248	146		ug/kg	39.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 02/19/10

SAMPLE RESULTS

Lab ID:	L0915572-19	Date Collected:	10/28/09 12:33
Client ID:	CON-5A-0.63-1.2	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	11/10/09 18:39
Analytical Date:	11/16/09 16:44	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/16/09
Percent Solids:	94%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/16/09

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	124	2
Aroclor 1221	ND		ug/kg	124	2
Aroclor 1232	ND		ug/kg	124	2
Aroclor 1242	ND		ug/kg	124	2
Aroclor 1254	ND		ug/kg	124	2
Aroclor 1260	ND		ug/kg	82.8	2
Aroclor 1262	ND		ug/kg	41.4	2
Aroclor 1268	ND		ug/kg	41.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	33		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	36		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 02/19/10

SAMPLE RESULTS

Lab ID:	L0915572-19	Date Collected:	10/28/09 12:33
Client ID:	CON-5A-0.63-1.2	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	11/10/09 18:39
Analytical Date:	11/16/09 16:44	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/16/09
Percent Solids:	94%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/16/09

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1248	117		ug/kg	82.8	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	33		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	36		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 02/19/10

SAMPLE RESULTS

Lab ID:	L0915572-23	Date Collected:	10/28/09 12:50
Client ID:	CON-5B-0.0-0.56	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	11/10/09 18:39
Analytical Date:	11/16/09 16:57	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/16/09
Percent Solids:	97%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/16/09

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	59.5	1
Aroclor 1221	ND		ug/kg	59.5	1
Aroclor 1232	ND		ug/kg	59.5	1
Aroclor 1242	ND		ug/kg	59.5	1
Aroclor 1254	ND		ug/kg	59.5	1
Aroclor 1260	ND		ug/kg	39.6	1
Aroclor 1262	ND		ug/kg	19.8	1
Aroclor 1268	ND		ug/kg	19.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 02/19/10

SAMPLE RESULTS

Lab ID:	L0915572-23	Date Collected:	10/28/09 12:50
Client ID:	CON-5B-0.0-0.56	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	11/10/09 18:39
Analytical Date:	11/16/09 16:57	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/16/09
Percent Solids:	97%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/16/09

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1248	44.2		ug/kg	39.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 02/19/10

SAMPLE RESULTS

Lab ID:	L0915572-61	Date Collected:	10/28/09 11:31
Client ID:	DUP-CON-2	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	11/10/09 18:39
Analytical Date:	11/16/09 17:09	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/16/09
Percent Solids:	97%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/16/09

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	123	2
Aroclor 1221	ND		ug/kg	123	2
Aroclor 1232	ND		ug/kg	123	2
Aroclor 1242	ND		ug/kg	123	2
Aroclor 1254	ND		ug/kg	123	2
Aroclor 1260	ND		ug/kg	82.1	2
Aroclor 1262	ND		ug/kg	41.1	2
Aroclor 1268	ND		ug/kg	41.1	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	117		30-150	B

Project Name: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 02/19/10

SAMPLE RESULTS

Lab ID:	L0915572-61	Date Collected:	10/28/09 11:31
Client ID:	DUP-CON-2	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	11/10/09 18:39
Analytical Date:	11/16/09 17:09	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/16/09
Percent Solids:	97%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/16/09

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1248	190		ug/kg	82.1	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	117		30-150	B

Project Name: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 02/19/10

SAMPLE RESULTS

Lab ID:	L0915572-62	Date Collected:	10/28/09 12:34
Client ID:	DUP-CON-3	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	11/10/09 18:39
Analytical Date:	11/16/09 17:21	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/16/09
Percent Solids:	97%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/16/09

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	121	2
Aroclor 1221	ND		ug/kg	121	2
Aroclor 1232	ND		ug/kg	121	2
Aroclor 1242	ND		ug/kg	121	2
Aroclor 1254	ND		ug/kg	121	2
Aroclor 1260	ND		ug/kg	80.8	2
Aroclor 1262	ND		ug/kg	40.4	2
Aroclor 1268	ND		ug/kg	40.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 02/19/10

SAMPLE RESULTS

Lab ID:	L0915572-62	Date Collected:	10/28/09 12:34
Client ID:	DUP-CON-3	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	11/10/09 18:39
Analytical Date:	11/16/09 17:21	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/16/09
Percent Solids:	97%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/16/09

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1248	130		ug/kg	80.8	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 02/19/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 64,8082
Analytical Date: 11/03/09 22:07
Analyst: SH

Extraction Method: EPA 3540C
Extraction Date: 10/31/09 20:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 11/03/09
Cleanup Method2: - - - -
Cleanup Date2:

Parameter	Result	Qualifier	Units	RDL
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-04 Batch: WG387003-1				
Aroclor 1016	ND		ug/kg	19.4
Aroclor 1221	ND		ug/kg	19.4
Aroclor 1232	ND		ug/kg	19.4
Aroclor 1242	ND		ug/kg	19.4
Aroclor 1248	ND		ug/kg	12.9
Aroclor 1254	ND		ug/kg	19.4
Aroclor 1260	ND		ug/kg	12.9
Aroclor 1262	ND		ug/kg	6.45
Aroclor 1268	ND		ug/kg	6.45

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	144		30-150	A
Decachlorobiphenyl	**186**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 02/19/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 64,8082
Analytical Date: 11/11/09 13:17
Analyst: SH

Extraction Method: EPA 3540C
Extraction Date: 11/10/09 11:39
Cleanup Method1: EPA 3665A
Cleanup Date1: 11/11/09
Cleanup Method2: EPA 3660B
Cleanup Date2: 11/11/09

Parameter	Result	Qualifier	Units	RDL
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 05,09,19,23,61-62 Batch: WG388356-1				
Aroclor 1016	ND		ug/kg	19.8
Aroclor 1221	ND		ug/kg	19.8
Aroclor 1232	ND		ug/kg	19.8
Aroclor 1242	ND		ug/kg	19.8
Aroclor 1248	ND		ug/kg	13.2
Aroclor 1254	ND		ug/kg	19.8
Aroclor 1260	ND		ug/kg	13.2
Aroclor 1262	ND		ug/kg	6.60
Aroclor 1268	ND		ug/kg	6.60

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	93		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: WORCESTER BUD
Project Number: 39743277.12
Lab Number: L0915572
Report Date: 02/19/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-04 Batch: WG387003-2 WG387003-3								
Aroclor 1016	74		54		40-140	**31**	Q	30
Aroclor 1260	67		51		40-140	27		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		50		30-150	A
Decachlorobiphenyl	89		50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		50		30-150	B
Decachlorobiphenyl	87		50		30-150	B

MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 05,09,19,23,61-62 Batch: WG388356-2 WG388356-3								
Aroclor 1016	98		90		40-140	9		30
Aroclor 1260	83		94		40-140	12		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		103		30-150	A
Decachlorobiphenyl	98		113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		93		30-150	B
Decachlorobiphenyl	85		102		30-150	B

INORGANICS
&
MISCELLANEOUS

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 02/19/10

SAMPLE RESULTS

Lab ID: L0915572-01
Client ID: CON-4A-0.0-0.25
Sample Location: WORCESTER, MA
Matrix: Solid

Date Collected: 10/28/09 11:18
Date Received: 10/29/09
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	-	11/02/09 14:00	30,2540G	TL

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 02/19/10

SAMPLE RESULTS

Lab ID: L0915572-02
Client ID: CON-5A-0.0-0.5
Sample Location: WORCESTER, MA
Matrix: Solid

Date Collected: 10/28/09 12:31
Date Received: 10/29/09
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	-	11/02/09 14:00	30,2540G	TL

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 02/19/10

SAMPLE RESULTS

Lab ID: L0915572-03
Client ID: CON-6A-0.0-0.62
Sample Location: WORCESTER, MA
Matrix: Solid

Date Collected: 10/28/09 14:48
Date Received: 10/29/09
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	-	11/02/09 14:00	30,2540G	TL

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 02/19/10

SAMPLE RESULTS

Lab ID: L0915572-04
Client ID: CON-7A-0.0-0.44
Sample Location: WORCESTER, MA
Matrix: Solid

Date Collected: 10/28/09 16:12
Date Received: 10/29/09
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	-	11/02/09 14:00	30,2540G	TL

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 02/19/10

SAMPLE RESULTS

Lab ID: L0915572-05
Client ID: CON-4A-0.38-0.88
Sample Location: WORCESTER, MA
Matrix: Solid

Date Collected: 10/28/09 11:30
Date Received: 10/29/09
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	-	11/11/09 14:00	30,2540G	TL

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 02/19/10

SAMPLE RESULTS

Lab ID: L0915572-09
Client ID: CON-4B-0.0-0.5
Sample Location: WORCESTER, MA
Matrix: Solid

Date Collected: 10/28/09 11:40
Date Received: 10/29/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	98		%	0.10	1	-	11/11/09 14:00	30,2540G	TL

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 02/19/10

SAMPLE RESULTS

Lab ID: L0915572-19
Client ID: CON-5A-0.63-1.2
Sample Location: WORCESTER, MA
Matrix: Solid

Date Collected: 10/28/09 12:33
Date Received: 10/29/09
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	-	11/11/09 14:00	30,2540G	TL

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 02/19/10

SAMPLE RESULTS

Lab ID: L0915572-23
Client ID: CON-5B-0.0-0.56
Sample Location: WORCESTER, MA
Matrix: Solid

Date Collected: 10/28/09 12:50
Date Received: 10/29/09
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	-	11/11/09 14:00	30,2540G	TL

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 02/19/10

SAMPLE RESULTS

Lab ID: L0915572-61
Client ID: DUP-CON-2
Sample Location: WORCESTER, MA
Matrix: Solid

Date Collected: 10/28/09 11:31
Date Received: 10/29/09
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	-	11/11/09 14:00	30,2540G	TL

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 02/19/10

SAMPLE RESULTS

Lab ID: L0915572-62
Client ID: DUP-CON-3
Sample Location: WORCESTER, MA
Matrix: Solid

Date Collected: 10/28/09 12:34
Date Received: 10/29/09
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	-	11/11/09 14:00	30,2540G	TL

Lab Duplicate Analysis
Batch Quality Control

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 02/19/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG387112-1 QC Sample: L0915572-01 Client ID: CON-4A-0.0-0.25						
Solids, Total	95	94	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 05,09,19,23,61-62 QC Batch ID: WG388622-1 QC Sample: L0915572-05 Client ID: CON-4A-0.38-0.88						
Solids, Total	96	95	%	1		20

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 02/19/10

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
L0915572-01A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	TS(7),MCP-8082LL()
L0915572-02A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	TS(7),MCP-8082LL()
L0915572-03A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	TS(7),MCP-8082LL()
L0915572-04A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	TS(7),MCP-8082LL()
L0915572-05A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	TS(7),MCP-8082LL()
L0915572-06A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-07A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-08A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-09A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	TS(7),MCP-8082LL()
L0915572-10A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-11A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-12A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-13A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-14A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-15A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-16A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-17A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-18A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-19A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	TS(7),MCP-8082LL()
L0915572-20A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-21A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-22A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-23A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	TS(7),MCP-8082LL()
L0915572-24A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-25A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-26A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-27A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-28A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-29A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)

*Hold days indicated by values in parentheses

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 02/19/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis
L0915572-30A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-31A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-32A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-33A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-34A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-35A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-36A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-37A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-38A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-39A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-40A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-41A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-42A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-43A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-44A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-45A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-46A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-47A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-48A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-49A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-50A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-51A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-52A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-53A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-54A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-55A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-56A	Amber 250ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-57A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-58A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-59A	Amber 250ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-60A	Amber 250ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-61A	Amber 250ml unpreserved	A	N/A	3.8	Y	Absent	TS(7),MCP-8082LL()
L0915572-62A	Amber 250ml unpreserved	A	N/A	3.8	Y	Absent	TS(7),MCP-8082LL()
L0915572-63A	Amber 250ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-64A	Amber 250ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)

*Hold days indicated by values in parentheses

Project Name:	WORCESTER BUD	**Lab Number:**	L0915572
Project Number:	39743277.12	**Report Date:**	02/19/10

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:	WORCESTER BUD	**Lab Number:**	L0915572
Project Number:	39743277.12	**Report Date:**	02/19/10

REFERENCES

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

64 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). August 2004.

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 7

Date Rec'd in Lab: 10/29/09

ALPHA Job #: L0915572

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: URS Corporation
Address: 5 Industrial Way
Salem, NH 03079
Phone: 603-893-0616
Fax: 603-893 6240
Email: Judith-LeClair@urscorp.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Worcester BUD
Project Location: Worcester, MA
Project #: 39743277.12
Project Manager: David Ellis
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 11/30/09 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: MCP
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:
SAmple matrix is A mixture of concrete and paint glassware is Amber

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 RCRA 8	PCBs	Sample Specific Comments	TOTAL # BOTTLES
	PCON-1	10/28/09	1317	S	BG/CT	X			
	PCON-2	↓	1437	↓	↓	X			
	PCON-3	↓	1430	↓	↓	X			
15572.1	CON-4A-0.0-0.25	↓	1118 ~~1140~~	↓	↓		X		
2	CON-5A-0.0-0.5	↓	1231	↓	↓		X		
3	CON-6A-0.0-0.62	↓	1448	↓	↓		X		
4	CON-7A-0.0-0.44	↓	1612	↓	↓		X		

J LeClair

J LeClair

J LeClair

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

	RCRA 8	PCBs
Container Type	G	G
Preservative	NONE	NONE

Relinquished By:	Date/Time	Received By:	Date/Time
Judith LeClair	10/29/09	[signature]	10/29/09 12:00
[signature]	10/29/09	[signature]	10/29/09 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 7

Date Rec'd in Lab: 10/29/09

ALPHA Job #: L0915572

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: URS Corporation
Address: 5 Industrial Way
SALEM, NH 03079
Phone: 603-893-0616
Fax: 603-893-6240
Email: Judith_leclair@urscorp.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Worcester Bud
Project Location: Worcester, MA
Project #: 39743277.12
Project Manager: David Ellis
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 11/30/09 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: MCP
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:
matrix is concrete; bottleware is amber
Speak with MARY DAVIS for the procedure to continue with analysis of these samples - she will have the instruction sheet.

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
15572.5	CON-4A-0.38-0.88	10/28/09	1130	X1	BG/CT	X	See attached instruction sheet - samples to be iteratively analyzed (See Mary Davis)	1
6	CON-4A-1.0-1.5	↓	1140	↓	↓	↓		↓
7	CON-4A-1.6-2.1		1150					
8	CON-4A-2.3-3.4		1155					
9	CON-4B-0.0-0.5		1140					
10	CON-4B-0.63-1.1		1142					
11	CON-4B-1.3-1.8		1145					
12	CON-4B-1.9-2.4		1150					
13	CON-4B-2.6-3.6		1153					
14	CON-4C-0.0-0.5	↓	1158	↓	↓	↓		↓

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
Judith LeClair	10/29/09	[signature]	10/29/09 1210
[signature]	10/29/09	[signature]	10/29/09 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 7

Date Rec'd in Lab: 10/29/09

ALPHA Job #: L0915572

ALPHA
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: URS Corporation
Address:
Phone:
Fax:
Email: See Page 1

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Worcester Bud
Project Location:
Project #: 39743277.12
Project Manager: David Ellis
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 11/30/09 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: MCP
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:
Matrix is concrete; bottleware is amber

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
15572 15	CON-4C-0.63-1.1	10/28/09	1159	X1	BG/CT	X		1
16	CON-4C-1.3-1.8		1205					
17	CON-4C-1.9-2.4		1206					
18	CON-4C-2.6-3.3		1210					
19	CON-5A-0.63-1.2		1233					
20	CON-5A-1.3-1.9		1235					
21	CON-5A-2.0-2.7		1238					
22	CON-5A-2.8-3.8		1243					
23	CON-5B-0.0-0.56		1250					
24	CON-5B-0.68-1.2		1252					

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
[signature]	10/29/09	[signature]	10/29/09
[signature]	10/29/09	[signature]	10/29/09 173

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: 10/29/09

ALPHA Job #: L0915572

Client Information

Client: URS Corporation

Address:

Phone: See Page 1

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Worcester Bud

Project Location:

Project #: 39743277.12

Project Manager: David Ellis

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 11/30/09 | 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
MCP	

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:

Matrix is concrete; bottleware is amber

ANALYSIS: DCBS

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	DCBS	Sample Specific Comments	TOTAL # BOTTLES
1532225	CON-5B-1.3-1.7	10/28/09	1255	X1	BG/CT	X		1
26	CON-5B-1.8-2.5		1258					
27	CON-5C-0.0-0.56		1302					
28	CON-5C-0.58-0.88		1306					
29	CON-5C-1.0-1.6		1310					
30	CON-5C-1.8-2.5		1313					
31	CON-6A-0.75-1.4		1450					
32	CON-6A-1.5-2.1		1453					
33	CON-6A-2.3-2.9		1457					
34	CON-6A-3.0-3.6		1500					

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
[illegible]	10/29/09 11/29/09 pm	[illegible]	11/29/09 12:00 10/29/09 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 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: 10/29/09

ALPHA Job #: L0915572

Client Information

Client: URS Corporation

Address:

Phone: See Page 1

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Worcester RUD

Project Location:

Project #: 39743277.13

Project Manager: David Ellis

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 11/30/09 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
MCP	

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:

MATRIX is Concrete; bottleware is Amber

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
15572.35	CON-6A-3.8-4.3	10/28/09	1505	X1	BG/CT	X		1
36	CON-6B-0.75-1.4		1513					
37	CON-6B-0.0-0.62		1509					
38	CON-6B-1.5-2.1		1517					
39	CON-6B-2.3-2.9		1520					
40	CON-6B-3.0-3.6		1522					
41	CON-6B-3.8-4.3		1523					
42	CON-6C-0.0-0.56		1525					
43	CON-6C-0.69-1.3		1526					
44	CON-6C-1.4-2.1		1528					

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
Judith Lechner	10/29/09 10/29/09		10/29/09 12 10/29/09 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 7

Date Rec'd in Lab: 10/29/09

ALPHA Job #: 20915572

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: URS Corporation
Address:
Phone: See Page 1
Fax:
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Worcester BUD
Project Location:
Project #: 39743277.12
Project Manager: David Ellis
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 11/30/09 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
MCP	

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:
Matrix is Concrete; bottleware is Amber

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
15572.45	CON-6C-2.2-2.8	10/26/09	1529	X1	BG/CT	X		1
46	CON-6C-2.9-3.5		1530					
47	CON-6C-3.7-4.3		1532					
48	CON-7A-0.56-1.1		1616					
49	CON-7A-1.2-1.8		1618					
50	CON-7A-1.9-2.5		1620					
51	CON-7A-2.7-2.9		1621					
52	CON-7B-0.0-0.62		1627					
53	CON-7B-0.74-1.3		1629					
54	CON-7B-1.4-2.0		1631					

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
Judith LeClair	10/29/09		10/29/09 12:00
			10/29/09 17:30

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 7 OF 7

Date Rec'd in Lab: 10/29/09

ALPHA Job #: L0915572

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: URS Corporation
Address:
Phone:
Fax:
Email:
See Page 1

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Worcester BUD
Project Location:
Project #: 39743277.12
Project Manager: DAVID Ellis
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 11/30/09 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: MCP
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:
matrix is concrete; bottleware is Amber

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
15572.55	CON-7B-2.1-2.6	10/28/09	1633	X1	BG/CT	X		1
56	CON-7C-0.0-0.62	↓	1634	↓	↓	↓		
57	CON-7C-0.75-1.4	↓	1635	↓	↓	↓		
58	CON-7C-1.5-2.1	↓	1638	↓	↓	↓		
59	CON-7C-2.2-2.8	↓	1640	↓	↓	↓		
60	CON-7C-2.9-3.3	↓	1642	↓	↓	↓		
61	DUP-CON-2	↓	1131	↓	↓	↓		
62	DUP-CON-3	↓	1234	↓	↓	↓		
63	DUP-CON-4	↓	1451	↓	↓	↓		
64	DUP-CON-5	↓	1617	↓	↓	↓		

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type: G
Preservative: None

Relinquished By:	Date/Time	Received By:	Date/Time
Judith Lee	10/29/09	[signature]	10/29/09
[signature]	10/29/09	[signature]	10/29/09 1736

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)

JOB: L0915572 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
003: Mass. MCP Questions - OK
004: Narrative Page(s) - OK
070: Cover Page - OK
071: PCB Sample Results - OK
072: PCB Blank Report - OK
074: PCB LCS Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
500: Container Report - OK
501: Glossary - OK
502: Reference Report - OK

ANALYTICAL REPORT

Lab Number:	L0915572
Client:	URS Corporation 5 Industrial Way Salem, NH 03079
ATTN:	Judith LeClair
Project Name:	WORCESTER BUD
Project Number:	39743277.12
Report Date:	11/06/09

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: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 11/06/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0915572-01	CON-4A-0.0-0.25	WORCESTER, MA	10/28/09 11:18
L0915572-02	CON-5A-0.0-0.5	WORCESTER, MA	10/28/09 12:31
L0915572-03	CON-6A-0.0-0.62	WORCESTER, MA	10/28/09 14:48
L0915572-04	CON-7A-0.0-0.44	WORCESTER, MA	10/28/09 16:12
L0915572-05	CON-4A-0.38-0.88	WORCESTER, MA	10/28/09 11:30
L0915572-06	CON-4A-1.0-1.5	WORCESTER, MA	10/28/09 11:40
L0915572-07	CON-4A-1.6-2.1	WORCESTER, MA	10/28/09 11:50
L0915572-08	CON-4A-2.3-3.4	WORCESTER, MA	10/28/09 11:55
L0915572-09	CON-4B-0.0-0.5	WORCESTER, MA	10/28/09 11:40
L0915572-10	CON-4B-0.63-1.1	WORCESTER, MA	10/28/09 11:42
L0915572-11	CON-4B-1.3-1.8	WORCESTER, MA	10/28/09 11:45
L0915572-12	CON-4B-1.9-2.4	WORCESTER, MA	10/28/09 11:50
L0915572-13	CON-4B-2.6-3.6	WORCESTER, MA	10/28/09 11:53
L0915572-14	CON-4C-0.0-0.5	WORCESTER, MA	10/28/09 11:58
L0915572-15	CON-4C-0.63-1.1	WORCESTER, MA	10/28/09 11:59
L0915572-16	CON-4C-1.3-1.8	WORCESTER, MA	10/28/09 12:05
L0915572-17	CON-4C-1.9-2.4	WORCESTER, MA	10/28/09 12:06
L0915572-18	CON-4C-2.6-3.3	WORCESTER, MA	10/28/09 12:10
L0915572-19	CON-5A-0.63-1.2	WORCESTER, MA	10/28/09 12:33
L0915572-20	CON-5A-1.3-1.9	WORCESTER, MA	10/28/09 12:35
L0915572-21	CON-5A-2.0-2.7	WORCESTER, MA	10/28/09 12:38
L0915572-22	CON-5A-2.8-3.8	WORCESTER, MA	10/28/09 12:43
L0915572-23	CON-5B-0.0-0.56	WORCESTER, MA	10/28/09 12:50
L0915572-24	CON-5B-0.68-1.2	WORCESTER, MA	10/28/09 12:52
L0915572-25	CON-5B-1.3-1.7	WORCESTER, MA	10/28/09 12:55
L0915572-26	CON-5B-1.8-2.5	WORCESTER, MA	10/28/09 12:58
L0915572-27	CON-5C-0.0-0.56	WORCESTER, MA	10/28/09 13:02
L0915572-28	CON-5C-0.58-0.88	WORCESTER, MA	10/28/09 13:06
L0915572-29	CON-5C-1.0-1.6	WORCESTER, MA	10/28/09 13:10
L0915572-30	CON-5C-1.8-2.5	WORCESTER, MA	10/28/09 13:13
L0915572-31	CON-6A-0.75-1.4	WORCESTER, MA	10/28/09 14:50

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0915572-32	CON-6A-1.5-2.1	WORCESTER, MA	10/28/09 14:53
L0915572-33	CON-6A-2.3-2.9	WORCESTER, MA	10/28/09 14:57
L0915572-34	CON-6A-3.0-3.6	WORCESTER, MA	10/28/09 15:00
L0915572-35	CON-6A-3.8-4.3	WORCESTER, MA	10/28/09 15:05
L0915572-36	CON-6B-0.75-1.4	WORCESTER, MA	10/28/09 15:13
L0915572-37	CON-6B-0.0-0.62	WORCESTER, MA	10/28/09 15:09
L0915572-38	CON-6B-1.5-2.1	WORCESTER, MA	10/28/09 15:17
L0915572-39	CON-6B-2.3-2.9	WORCESTER, MA	10/28/09 15:20
L0915572-40	CON-6B-3.0-3.6	WORCESTER, MA	10/28/09 15:22
L0915572-41	CON-6B-3.8-4.3	WORCESTER, MA	10/28/09 15:23
L0915572-42	CON-6C-0.0-0.56	WORCESTER, MA	10/28/09 15:25
L0915572-43	CON-6C-0.69-1.3	WORCESTER, MA	10/28/09 15:26
L0915572-44	CON-6C-1.4-2.1	WORCESTER, MA	10/28/09 15:28
L0915572-45	CON-6C-2.2-2.8	WORCESTER, MA	10/28/09 15:29
L0915572-46	CON-6C-2.9-3.5	WORCESTER, MA	10/28/09 15:30
L0915572-47	CON-6C-3.7-4.3	WORCESTER, MA	10/28/09 15:32
L0915572-48	CON-7A-0.56-1.1	WORCESTER, MA	10/28/09 16:16
L0915572-49	CON-7A-1.2-1.8	WORCESTER, MA	10/28/09 16:18
L0915572-50	CON-7A-1.9-2.5	WORCESTER, MA	10/28/09 16:20
L0915572-51	CON-7A-2.7-2.9	WORCESTER, MA	10/28/09 16:21
L0915572-52	CON-7B-0.0-0.62	WORCESTER, MA	10/28/09 16:27
L0915572-53	CON-7B-0.74-1.3	WORCESTER, MA	10/28/09 16:29
L0915572-54	CON-7B-1.4-2.0	WORCESTER, MA	10/28/09 16:31
L0915572-55	CON-7B-2.1-2.6	WORCESTER, MA	10/28/09 16:33
L0915572-56	CON-7C-0.0-0.62	WORCESTER, MA	10/28/09 16:34
L0915572-57	CON-7C-0.75-1.4	WORCESTER, MA	10/28/09 16:35
L0915572-58	CON-7C-1.5-2.1	WORCESTER, MA	10/28/09 16:38
L0915572-59	CON-7C-2.2-2.8	WORCESTER, MA	10/28/09 16:40
L0915572-60	CON-7C-2.9-3.3	WORCESTER, MA	10/28/09 16:42
L0915572-61	DUP-CON-2	WORCESTER, MA	10/28/09 11:31
L0915572-62	DUP-CON-3	WORCESTER, MA	10/28/09 12:34
L0915572-63	DUP-CON-4	WORCESTER, MA	10/28/09 14:51
L0915572-64	DUP-CON-5	WORCESTER, MA	10/28/09 16:17

Project Name: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 11/06/09

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A

A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	YES
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WORCESTER BUD **Lab Number:** L0915572
Project Number: 39743277.12 **Report Date:** 11/06/09

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.

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: 11/06/09

ORGANICS

PCBS

Project Name:	WORCESTER BUD	**Lab Number:**	L0915572
Project Number:	39743277.12	**Report Date:**	11/06/09

SAMPLE RESULTS

Lab ID:	L0915572-01	Date Collected:	10/28/09 11:18
Client ID:	CON-4A-0.0-0.25	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	10/31/09 20:30
Analytical Date:	11/06/09 11:46	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/03/09
Percent Solids:	95%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1248	54500		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: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 11/06/09

SAMPLE RESULTS

Lab ID:	L0915572-01	Date Collected:	10/28/09 11:18
Client ID:	CON-4A-0.0-0.25	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	10/31/09 20:30
Analytical Date:	11/06/09 11:46	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/03/09
Percent Solids:	95%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	5460	100
Aroclor 1221	ND		ug/kg	5460	100
Aroclor 1232	ND		ug/kg	5460	100
Aroclor 1242	ND		ug/kg	5460	100
Aroclor 1254	ND		ug/kg	5460	100
Aroclor 1260	ND		ug/kg	3640	100
Aroclor 1262	ND		ug/kg	1820	100
Aroclor 1268	ND		ug/kg	1820	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:	WORCESTER BUD	**Lab Number:**	L0915572
Project Number:	39743277.12	**Report Date:**	11/06/09

SAMPLE RESULTS

Lab ID:	L0915572-02	Date Collected:	10/28/09 12:31
Client ID:	CON-5A-0.0-0.5	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	10/31/09 20:30
Analytical Date:	11/06/09 11:58	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/03/09
Percent Solids:	96%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1248	103000		ug/kg	7370	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: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 11/06/09

SAMPLE RESULTS

Lab ID:	L0915572-02	Date Collected:	10/28/09 12:31
Client ID:	CON-5A-0.0-0.5	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	10/31/09 20:30
Analytical Date:	11/06/09 11:58	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/03/09
Percent Solids:	96%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	11100	200
Aroclor 1221	ND		ug/kg	11100	200
Aroclor 1232	ND		ug/kg	11100	200
Aroclor 1242	ND		ug/kg	11100	200
Aroclor 1254	ND		ug/kg	11100	200
Aroclor 1260	ND		ug/kg	7370	200
Aroclor 1262	ND		ug/kg	3690	200
Aroclor 1268	ND		ug/kg	3690	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: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 11/06/09

SAMPLE RESULTS

Lab ID:	L0915572-03	Date Collected:	10/28/09 14:48
Client ID:	CON-6A-0.0-0.62	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	10/31/09 20:30
Analytical Date:	11/06/09 11:21	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/03/09
Percent Solids:	92%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	61.5	1
Aroclor 1221	ND		ug/kg	61.5	1
Aroclor 1232	ND		ug/kg	61.5	1
Aroclor 1242	ND		ug/kg	61.5	1
Aroclor 1248	937		ug/kg	41.0	1
Aroclor 1254	ND		ug/kg	61.5	1
Aroclor 1260	ND		ug/kg	41.0	1
Aroclor 1262	ND		ug/kg	20.5	1
Aroclor 1268	ND		ug/kg	20.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	**1280**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 11/06/09

SAMPLE RESULTS

Lab ID:	L0915572-04	Date Collected:	10/28/09 16:12
Client ID:	CON-7A-0.0-0.44	Date Received:	10/29/09
Sample Location:	WORCESTER, MA	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	64,8082	Extraction Date:	10/31/09 20:30
Analytical Date:	11/06/09 11:33	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	11/03/09
Percent Solids:	94%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab					
Aroclor 1016	ND		ug/kg	57.4	1
Aroclor 1221	ND		ug/kg	57.4	1
Aroclor 1232	ND		ug/kg	57.4	1
Aroclor 1242	ND		ug/kg	57.4	1
Aroclor 1248	370		ug/kg	38.3	1
Aroclor 1254	ND		ug/kg	57.4	1
Aroclor 1260	ND		ug/kg	38.3	1
Aroclor 1262	ND		ug/kg	19.1	1
Aroclor 1268	ND		ug/kg	19.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	35		30-150	A
Decachlorobiphenyl	134		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	126		30-150	B

Project Name: WORCESTER BUD **Lab Number:** L0915572

Project Number: 39743277.12 **Report Date:** 11/06/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 64,8082
Analytical Date: 11/03/09 22:07
Analyst: SH

Extraction Method: EPA 3540C
Extraction Date: 10/31/09 20:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 11/03/09
Cleanup Method2: - - - -
Cleanup Date2:

Parameter	Result	Qualifier	Units	RDL
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-04 Batch: WG387003-1				
Aroclor 1016	ND		ug/kg	19.4
Aroclor 1221	ND		ug/kg	19.4
Aroclor 1232	ND		ug/kg	19.4
Aroclor 1242	ND		ug/kg	19.4
Aroclor 1248	ND		ug/kg	12.9
Aroclor 1254	ND		ug/kg	19.4
Aroclor 1260	ND		ug/kg	12.9
Aroclor 1262	ND		ug/kg	6.45
Aroclor 1268	ND		ug/kg	6.45

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	144		30-150	A
Decachlorobiphenyl	**186**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	86		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WORCESTER BUD

Project Number: 39743277.12

Lab Number: L0915572

Report Date: 11/06/09

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-04 Batch: WG387003-2 WG387003-3								
Aroclor 1016	74		54		40-140	**31**	Q	30
Aroclor 1260	67		51		40-140	27		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		50		30-150	A
Decachlorobiphenyl	89		50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		50		30-150	B
Decachlorobiphenyl	87		50		30-150	B

INORGANICS
&
MISCELLANEOUS

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 11/06/09

SAMPLE RESULTS

Lab ID: L0915572-01
Client ID: CON-4A-0.0-0.25
Sample Location: WORCESTER, MA
Matrix: Solid

Date Collected: 10/28/09 11:18
Date Received: 10/29/09
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	-	11/02/09 14:00	30,2540G	TL

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 11/06/09

SAMPLE RESULTS

Lab ID: L0915572-02
Client ID: CON-5A-0.0-0.5
Sample Location: WORCESTER, MA
Matrix: Solid

Date Collected: 10/28/09 12:31
Date Received: 10/29/09
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	-	11/02/09 14:00	30,2540G	TL

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 11/06/09

SAMPLE RESULTS

Lab ID: L0915572-03
Client ID: CON-6A-0.0-0.62
Sample Location: WORCESTER, MA
Matrix: Solid

Date Collected: 10/28/09 14:48
Date Received: 10/29/09
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	-	11/02/09 14:00	30,2540G	TL

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 11/06/09

SAMPLE RESULTS

Lab ID: L0915572-04
Client ID: CON-7A-0.0-0.44
Sample Location: WORCESTER, MA
Matrix: Solid

Date Collected: 10/28/09 16:12
Date Received: 10/29/09
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	-	11/02/09 14:00	30,2540G	TL

Lab Duplicate Analysis
Batch Quality Control

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 11/06/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG387112-1 QC Sample: L0915572-01 Client ID: CON-4A-0.0-0.25						
Solids, Total	95	94	%	1		20

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 11/06/09

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
L0915572-01A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	TS(7),MCP-8082LL(14)
L0915572-02A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	TS(7),MCP-8082LL(14)
L0915572-03A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	TS(7),MCP-8082LL(14)
L0915572-04A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	TS(7),MCP-8082LL(14)
L0915572-05A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-06A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-07A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-08A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-09A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-10A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-11A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-12A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-13A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-14A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-15A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-16A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-17A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-18A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-19A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-20A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-21A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-22A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-23A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-24A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-25A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-26A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-27A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-28A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)
L0915572-29A	Amber 120ml unpreserved	B	N/A	4	Y	Absent	HOLD(14)

*Hold days indicated by values in parentheses

Project Name: WORCESTER BUD
Project Number: 39743277.12

Lab Number: L0915572
Report Date: 11/06/09

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis
L0915572-30A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-31A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-32A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-33A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-34A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-35A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-36A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-37A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-38A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-39A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-40A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-41A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-42A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-43A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-44A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-45A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-46A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-47A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-48A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-49A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-50A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-51A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-52A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-53A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-54A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-55A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-56A	Amber 250ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-57A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-58A	Amber 120ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-59A	Amber 250ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-60A	Amber 250ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-61A	Amber 250ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-62A	Amber 250ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-63A	Amber 250ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)
L0915572-64A	Amber 250ml unpreserved	A	N/A	3.8	Y	Absent	HOLD(14)

*Hold days indicated by values in parentheses

Project Name:	WORCESTER BUD	**Lab Number:**	L0915572
Project Number:	39743277.12	**Report Date:**	11/06/09

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: WORCESTER BUD **Lab Number:** L0915572
Project Number: 39743277.12 **Report Date:** 11/06/09

REFERENCES

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

64 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). August 2004.

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.

11060915:56

CHAIN OF CUSTODY

PAGE 1 OF 7

Date Rec'd in Lab: 10/29/09

ALPHA Job #: L0915572

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: URS Corporation
Address: 5 Industrial Way
Salem, NH 03079
Phone: 603-893-0616
Fax: 603-893 6240
Email: Judith-LeClair@urscorp.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Worcester BUD
Project Location: Worcester, MA
Project #: 39743277.12
Project Manager: David Ellis
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 11/30/09 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
MCP	

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 matrix is a mixture of concrete and paint glassware is amber

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 RCRA 8	ANALYSIS PCBs	Sample Specific Comments	TOTAL # BOTTLES
	PCON-1	10/28/09	1317	S	BG/CT	X			
	PCON-2	↓	1437	↓	↓	X			
	PCON-3	↓	1430	↓	↓	X			
15572.1	CON-4A-0.0-0.25	↓	1118 ~~1140~~	↓	↓		X		
2	CON-5A-0.0-0.5	↓	1231	↓	↓		X		
3	CON-6A-0.0-0.62	↓	1448	↓	↓		X		
4	CON-7A-0.0-0.44	↓	1612	↓	↓		X		

J LeClair

J LeClair

J LeClair

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

	RCRA 8	PCBs
Container Type	G	G
Preservative	None	None

Relinquished By:	Date/Time	Received By:	Date/Time
Judith LeClair	10/29/09	[signature]	10/29/09 12
[signature]	10/29/09	[signature]	10/29/09 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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CHAIN OF CUSTODY

PAGE 2 OF 7

Date Rec'd in Lab: 10/29/09

ALPHA Job #: L0915572

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: URS Corporation
Address: 5 Industrial Way
SALEM, NH 03079
Phone: 603-893-0616
Fax: 603-893-6240
Email: Judith_leclair@urscorp.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Worcester Bud
Project Location: Worcester, MA
Project #: 39743277.12
Project Manager: David Ellis
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 11/30/09 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: MCP
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:
matrix is concrete; bottleware is amber
Speak with MARY DAVIS for the procedure to continue with analysis of these samples - she will have the instruction sheet.

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
15572.5	CON-4A-0.38-0.88	10/28/09	1130	X1	BG/CT	X	See attached instruction sheet - samples to be iteratively analyzed (See Mary Davis)	1
6	CON-4A-1.0-1.5	↓	1140	↓	↓	↓		↓
7	CON-4A-1.6-2.1		1150					
8	CON-4A-2.3-3.4		1155					
9	CON-4B-0.0-0.5		1140					
10	CON-4B-0.63-1.1		1142					
11	CON-4B-1.3-1.8		1145					
12	CON-4B-1.9-2.4		1150					
13	CON-4B-2.6-3.6		1153					
14	CON-4C-0.0-0.5	↓	1158	↓	↓	↓		↓

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
Judith LeClair	10/29/09	[signature]	10/29/09 1210
[signature]	10/29/09	[signature]	10/29/09 1730

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FORM NO: 01-01 (rev. 14-OCT-07)

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CHAIN OF CUSTODY

PAGE 3 OF 7

Date Rec'd in Lab: 10/29/09

ALPHA Job #: L0915572

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: URS Corporation
Address:
Phone:
Fax:
Email: See Page 1

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Worcester Bud
Project Location:
Project #: 39743277.12
Project Manager: David Ellis
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 11/30/09 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: MCP
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:
Matrix is concrete; bottleware is amber

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
15572 15	CON-4C-0.63-1.1	10/28/09	1159	X1	BG/CT	X		1
16	CON-4C-1.3-1.8		1205					
17	CON-4C-1.9-2.4		1206					
18	CON-4C-2.6-3.3		1210					
19	CON-5A-0.63-1.2		1233					
20	CON-5A-1.3-1.9		1235					
21	CON-5A-2.0-2.7		1238					
22	CON-5A-2.8-3.8		1243					
23	CON-5B-0.0-0.56		1250					
24	CON-5B-0.68-1.2		1252					

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
[signature]	10/29/09	[signature]	10/29/09
[signature]	10/29/09	[signature]	10/29/09 173

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FORM NO: 01-01 (rev. 14-OCT-07)

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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: 10/29/09

ALPHA Job #: L0915572

Client Information

Client: URS Corporation

Address:

Phone: See Page 1

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Worcester Bud

Project Location:

Project #: 39743277.12

Project Manager: David Ellis

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 11/30/09 | 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
MCP	

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:

Matrix is concrete; bottleware is amber

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: DCBS	Sample Specific Comments	TOTAL # BOTTLES
1532225	CON-5B-1.3-1.7	10/28/09	1255	X1	BG/CT	X		1
26	CON-5B-1.8-2.5		1258					
27	CON-5C-0.0-0.56		1302					
28	CON-5C-0.58-0.88		1306					
29	CON-5C-1.0-1.6		1310					
30	CON-5C-1.8-2.5		1313					
31	CON-6A-0.75-1.4		1450					
32	CON-6A-1.5-2.1		1453					
33	CON-6A-2.3-2.9		1457					
34	CON-6A-3.0-3.6		1500					

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
[illegible signature]	10/29/09 11/29/09 pm	[illegible signature]	11/29/09 12:40 10/29/09 1730

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FORM NO: 01-01 (rev. 14-OCT-07)

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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: 10/29/09

ALPHA Job #: L0915572

Client Information

Client: URS Corporation

Address:

See Page 1

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Worcester RUD

Project Location:

Project #: 39743277.13

Project Manager: David Ellis

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 11/30/09 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: MCP 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:

MATRIX is Concrete; bottleware is Amber

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
15572.35	CON-6A-3.8-4.3	10/28/09	1505	X1	BG/CT	X		1
36	CON-6B-0.75-1.4		1513					
37	CON-6B-0.0-0.62		1509					
38	CON-6B-1.5-2.1		1517					
39	CON-6B-2.3-2.9		1520					
40	CON-6B-3.0-3.6		1522					
41	CON-6B-3.8-4.3		1523					
42	CON-6C-0.0-0.56		1525					
43	CON-6C-0.69-1.3		1526					
44	CON-6C-1.4-2.1		1528					

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
Judith Lechner	10/29/09 10/29/09		10/29/09 12 10/29/09 1730

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FORM NO: 01-01 (rev. 14-OCT-07)

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CHAIN OF CUSTODY

PAGE 6 OF 7

Date Rec'd in Lab: 10/29/09

ALPHA Job #: 20915572

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: URS Corporation
Address:
Phone: Page
Fax:
Email: See
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Worcester BUD
Project Location:
Project #: 39743277.12
Project Manager: David Ellis
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 11/30/09 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: MCP
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:
Matrix is concrete; bottleware is amber

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
15572.45	CON-6C-2.2-2.8	10/26/09	1529	X1	BG/CT	X		1
46	CON-6C-2.9-3.5		1530					
47	CON-6C-3.7-4.3		1532					
48	CON-7A-0.56-1.1		1616					
49	CON-7A-1.2-1.8		1618					
50	CON-7A-1.9-2.5		1620					
51	CON-7A-2.7-2.9		1621					
52	CON-7B-0.0-0.62		1627					
53	CON-7B-0.74-1.3		1629					
54	CON-7B-1.4-2.0		1631					

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
Judith LeClair	10/29/09		10/29/09 12:00
	10/29/09		10/29/09 1730

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FORM NO: 01-01 (rev. 14-OCT-07)

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CHAIN OF CUSTODY

PAGE 7 OF 7

Date Rec'd in Lab: 10/29/09

ALPHA Job #: L0915572

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: URS Corporation
Address:
Phone:
Fax:
Email:
See Page 1

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Worcester BUD
Project Location:
Project #: 39743277.12
Project Manager: DAVID Ellis
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 11/30/09 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: MCP
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:
matrix is concrete; bottleware is Amber

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
15572.55	CON-7B-2.1-2.6	10/28/09	1633	X1	BG/CT	X		1
56	CON-7C-0.0-0.62	↓	1634	↓	↓	↓		
57	CON-7C-0.75-1.4	↓	1635	↓	↓	↓		
58	CON-7C-1.5-2.1	↓	1638	↓	↓	↓		
59	CON-7C-2.2-2.8	↓	1640	↓	↓	↓		
60	CON-7C-2.9-3.3	↓	1642	↓	↓	↓		
61	DUP-CON-2	↓	1131	↓	↓	↓		
62	DUP-CON-3	↓	1234	↓	↓	↓		
63	DUP-CON-4	↓	1451	↓	↓	↓		
64	DUP-CON-5	↓	1617	↓	↓	↓		

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
Judith Lee	10/29/09	[signature]	10/29/09
[signature]	10/29/09	[signature]	10/29/09 1736

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)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
5 POST OFFICE SQUARE, SUITE 100
BOSTON, MASSACHUSETTS 02109-3912

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

AUG 2 2010

Donald W. Birch, Sr. Vice President
as authorized signatory for CitySquare II Development Co. LLC
Leggat McCall Properties
10 Post Office Square
Boston, Massachusetts 02109

Re: PCB Cleanup and Disposal Approval under 40 CFR §§ 761.61(a) and (c); and § 761.79(h)
Former Worcester Common Outlet Mall, Worcester, MA

Dear Mr. Birch:

This is in response to the CitySquare II Development Company, LLC (CitySquare) Notification[1] for approval of a proposed PCB cleanup at the former Worcester Common Outlet Mall located in Worcester, Massachusetts (the Site). The Site contains PCB-contaminated materials that exceed the allowable PCB levels under 40 CFR § 761.20(a), § 761.61, and § 761.62. Specifically, PCBs have been found in paint (parking line stripes) and in the associated concrete floor located in the parking garage at the Site.

CitySquare has requested an approval under 40 CFR Part 761 to clean up and dispose of the PCB paint and PCB-contaminated *porous surfaces* (i.e. concrete floor). Specifically, CitySquare is proposing:

- to remove all PCB paint (parking line stripes) and associated *porous surfaces* (i.e. concrete floor) and dispose of these wastes as a greater than or equal to (≥) 50 parts per million (ppm) PCB waste in a RCRA hazardous waste landfill or a TSCA-approved disposal facility; and,

- to conduct verification sampling of the concrete floor following removal of the paint to document that the PCB cleanup standard of less than or equal to (≤) 1 ppm has been met, which is consistent with the cleanup and disposal requirements for unrestricted use under § 761.61(a).

---

[1] The notification was prepared by URS on behalf of CitySquare to satisfy the requirements under 40 CFR §§ 761.61(a) and (c) and § 761.79(h). Information was submitted dated July 15, 2010 (PCB Management Plan) and July 27, 2010 (e-mail response to EPA comments) shall be referred to as the "Notification".

In the Notification CitySquare has indicated that PCB-contaminated concrete with less than or equal to (≤) 1 ppm is proposed for re-use as on-site fill. CitySquare has submitted a request for a Beneficial Use Determination (BUD) permit from the Massachusetts Department of Environmental Protection (MassDEP).

In its Notification CitySquare has determined that the PCB paint at less than (<) 50 ppm, which is located on the columns, is not a *PCB bulk product waste* and meets the criteria of an *Excluded PCB Product* as defined at 40 CFR § 761.3. As such, removal of this paint is not required under 40 CFR Part 761 and is not addressed in this Approval. CitySquare is proposing to collect additional samples of column paint to support this determination. Should CitySquare determine that the paint containing < 50 ppm PCBs does not meet the *Excluded PCB Product* criteria, CitySquare shall be required to submit a plan to address the paint and any associated PCB-contaminated *porous* and/or *non-porous surfaces.*

With the exception of the proposed verification sampling frequency for *porous surfaces* (i.e. concrete) the Notification meets the requirements and standards established under §§ 761.61(a), 761.62, and 761.79 for cleanup and disposal of *PCB remediation waste* and *PCB bulk product waste.*

With respect to the verification sampling frequency, based on the results of the PCB sampling to-date and the proposed cleanup and disposal approach, it appears that the proposed plan will be adequate to remove all PCB contamination with greater than (>) 1 ppm. As such, EPA has determined that it is reasonable to allow an alternative to the Subpart O verification sampling frequency requirement under § 761.61(a)(6). However, EPA is requiring a higher initial sampling frequency than proposed in the Notification to support the alternative sampling approach (see Attachment 1, Condition 13). EPA finds that the activities proposed by CitySquare in conjunction with the additional initial sampling requirements, will not create an unreasonable risk to public health or the environment. Thus, EPA may approve the alternative sampling under § 761.61(c).

CitySquare may proceed with its cleanup in accordance with 40 CFR §§ 761.61(a) and (c); § 761.62; § 761.79(h); its Notification; and this Approval, subject to the conditions of Attachment 1.

Please note Attachment 1, Condition 13 which requires notification to EPA in the event **any** verification sample exceeds the PCB cleanup standard of 1 ppm for *porous surfaces*. In accordance with this condition, EPA is retaining its rights to re-evaluate its determination on the alternative sampling based on the results of the verification sampling.

Questions and correspondence regarding this Approval should be directed to:

Kimberly N. Tisa, PCB Coordinator (OSRR07-2)
United States Environmental Protection Agency
5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912
Telephone: (617) 918-1527
Facsimile: (617) 918-0527

EPA shall not consider this project complete until it has received all submittals required under this Approval. Please be aware that upon EPA receipt and review of the submittals, EPA may request any additional information necessary to establish that the work has been completed in accordance with 40 CFR Part 761, the Notification, and this Approval.

Sincerely,

James T. Owens, Director
Office of Site Remediation & Restoration

cc M. Wade, URS
MassDEP Central Region
File

Attachment 1
Attachment 2

ATTACHMENT 1.

PCB CLEANUP AND DISPOSAL APPROVAL CONDITIONS
FORMER WORCESTER COMMON OUTLET MALL PARKING GARAGE
WORCESTER, MASSACHUSETTS

GENERAL CONDITIONS

1. This Approval is granted under the authority of Section 6(e) of the Toxic Substances Control Act (TSCA), 15 U.S.C. § 2605(e), and the PCB regulations at 40 CFR Part 761, and applies solely to the *PCB bulk product waste* and the *PCB remediation waste* identified in the Notification.

2. CitySquare II Development Company, LLC (CitySquare) shall conduct on-site activities in accordance with the conditions of this Approval and with the Notification.

3. In the event that the cleanup plan described in the Notification differs from the conditions specified in this Approval, the conditions of this Approval shall govern.

4. The terms and abbreviations used herein shall have the meanings as defined in 40 CFR § 761.3 unless otherwise defined within this Approval.

5. CitySquare must comply with all applicable federal, state and local regulations in the storage, handling, and disposal of all PCB wastes, including PCBs, PCB Items and decontamination wastes generated under this Approval. In the event of a new spill during response actions, CitySquare shall contact EPA within 24 hours for direction on PCB cleanup and sampling requirements.

6. CitySquare is responsible for the actions of all officers, employees, agents, contractors, subcontractors, and others who are involved in activities conducted under this Approval. If at any time CitySquare has or receives information indicating that CitySquare or any other person has failed, or may have failed, to comply with any provision of this Approval, it must report the information to EPA in writing within 24 hours of having or receiving the information.

7. This Approval does not constitute a determination by EPA that the transporters or disposal facilities selected by CitySquare are authorized to conduct the activities set forth in the Notification. CitySquare is responsible for ensuring that its selected transporters and disposal facilities are authorized to conduct these activities in accordance with all applicable federal, state and local statutes and regulations.

8. This Approval does not: 1) waive or compromise EPA's enforcement and regulatory authority; 2) release CitySquare from compliance with any applicable requirements of federal, state or local law; or 3) release CitySquare from liability for, or otherwise resolve, any violations of federal, state or local law.

NOTIFICATION AND CERTIFICATION CONDITIONS

9. This Approval may be revoked if the EPA does not receive written notification from CitySquare of its acceptance of the conditions of this Approval within 10 business days of receipt.

10. CitySquare shall notify EPA in writing of the scheduled date of commencement of on-site activities at least 1 business day prior to conducting any work under this Approval.

11. CitySquare shall submit the following information for EPA review and/or approval:

    a. A certification signed by its selected abatement/demolition contractor, stating that the contractor(s) has read and understands the Notification, and agrees to abide by the conditions specified in this Approval;

    b. A contractor work plan, prepared and submitted by the selected demolition or abatement contractor(s) describing the containment and air monitoring that will be employed during abatement activities. This work plan should also include information on how and where wastes will be stored and disposed of, and on how field equipment will be decontaminated; and,

    c. A certification signed by the selected analytical laboratory, stating that the laboratory has read and understands the extraction and analytical method requirements and quality assurance requirements specified in the Notification and in this Approval.

CLEANUP AND DISPOSAL CONDITIONS

12. To the maximum extent practical, engineering controls, such as barriers, and removal techniques, such as the use of HEPA ventilated tools, shall be utilized during removal processes. In addition, to the maximum extent possible, disposable equipment and materials, including PPE, will be used to reduce the amount of decontamination necessary.

13. PCB-contaminated materials shall be decontaminated and verification sampling and analysis shall be conducted as described below:

    a. All visible residues of PCB paint shall be removed and disposed of as described in the Notification.

    b. The decontamination standard for building *porous surfaces* (i.e. concrete floor) shall be less than or equal to (≤) 1 part per million (ppm).

        i) All post-decontamination verification sampling of *porous surfaces* shall be performed on a bulk basis (i.e. mg/Kg). Samples shall be collected according to EPA's *draft* Standard Operating Procedure For Sampling Concrete in the Field, dated 12/30/97 to a maximum depth of 0.5 inches and in accordance with the sampling frequency described below:

            (1) Section A (see Attachment 2). The initial verification sampling frequency shall be a minimum of 1 sample per every 25 linear feet for the first 300 feet of decontaminated *porous surfaces*. In the event that **all** verification sample results are ≤1 ppm, the sampling frequency may be reduced to 1 sample per every 250 linear feet for the remainder of Section A.

            (2) Section B (see Attachment 2). The initial verification sampling frequency shall be a minimum of 1 sample per every 25 linear feet for the first 500 feet of decontaminated *porous surfaces*. In the event that **all** verification sample results are ≤1 ppm, the sampling frequency may be reduced to 1 sample per every 250 linear feet for the remainder of Section B.

            (3) Section C1 (see Attachment 2). The initial verification sampling frequency shall be a minimum of 1 sample per every 25 linear feet for the first 450 feet of decontaminated *porous surfaces*. In the event that **all** verification sample results are ≤1 ppm, the sampling frequency may be reduced to 1 sample per every 250 linear feet for the remainder of Section C1.

            (4) Section C2 (see Attachment 2). The initial verification sampling frequency shall be a minimum of 1 sample per every 25 linear feet for the first 450 feet of decontaminated *porous surfaces*. In the event that **all** verification sample results are ≤1 ppm, the sampling frequency may be reduced to 1 sample per every 250 linear feet for the remainder of Section C2.

ii) In the event **any** verification sample is greater than (>) 1 ppm, CitySquare shall contact EPA to determine what modifications, if any, need to be made to the sampling frequency or to the abatement plan for the remainder of the project.

iii) Chemical extraction for PCBs shall be conducted using Methods 3500B/3540C of SW-846 and chemical analysis for PCBs shall be conducted using Method 8082 of SW-846, unless another method(s) is validated according to Subpart Q.

iv) For decontaminated *porous surfaces* that have PCB concentrations exceeding the decontamination standard, CitySquare may conduct additional decontamination to achieve the required decontamination standard or must store and dispose of these materials as TSCA-regulated waste in accordance with 40 CFR Part 761.

14. PCB waste (at any concentration) generated as a result of the activities described in the Notification, excluding any decontaminated materials, shall be marked in accordance with CFR 40 CFR § 761.40; stored in a manner consistent with 40 CFR § 761.65; and, disposed of in accordance with 40 CFR § 761.61 or § 761.62, unless otherwise specified below.

a. Decontamination wastes and residues shall be disposed of in accordance with 40 CFR § 761.79(g)(6).

b. Moveable equipment, tools, and sampling equipment shall be decontaminated in accordance with either 40 CFR § 761.79(b)(3)(i)(A), § 761.79(b)(3)(ii)(A), or § 761.79(c)(2).

c. PCB-contaminated water generated during decontamination or dewatering shall be decontaminated in accordance with 40 CFR § 761.79(b)(1) or disposed of under § 761.60.

INSPECTION, MODIFICATION AND REVOCATION CONDITIONS

15. CitySquare shall allow any authorized representative of the Administrator of the EPA to inspect the Site and to inspect records and take samples as may be necessary to determine compliance with the PCB regulations and this Approval. Any refusal by CitySquare to allow such an inspection (as authorized by Section 11 of TSCA) shall be grounds for revocation of this Approval.

16. Any proposed modification(s) in the plan, specifications, or information in the Notification must be submitted to EPA no less than 14 calendar days prior to the proposed implementation of the change. Such proposed modifications will be subject to the procedures of 40 CFR § 761.61(a)(3)(ii).

17. Any misrepresentation or omission of any material fact in the Notification or in any records or reports may result in the EPA's revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.

RECORDKEEPING AND REPORTING CONDITIONS

18. CitySquare shall prepare and maintain all records and documents required by 40 CFR Part 761, including but not limited to the records required under Subparts J and K. A written record of the cleanup and disposal and the analytical sampling shall be established and maintained by CitySquare in one centralized location, until such time as EPA approves in writing a request for an alternative disposition of such records. All records shall be made available for inspection to authorized representatives of EPA.

19. CitySquare shall submit a final report to the EPA within 60 days of completion of the activities authorized under this Approval. At a minimum, this final report shall include: a short narrative of the project activities; characterization and confirmation sampling analytical results; copies of the accompanying analytical chains of custody; field and laboratory quality control/quality assurance checks; an estimate of the quantity of PCB waste disposed of and the size of the PCB cleanup area(s); copies of manifests and bills of lading; and copies of certificates of disposal or similar certifications issued by the disposer.

20. Required submittals shall be mailed to:

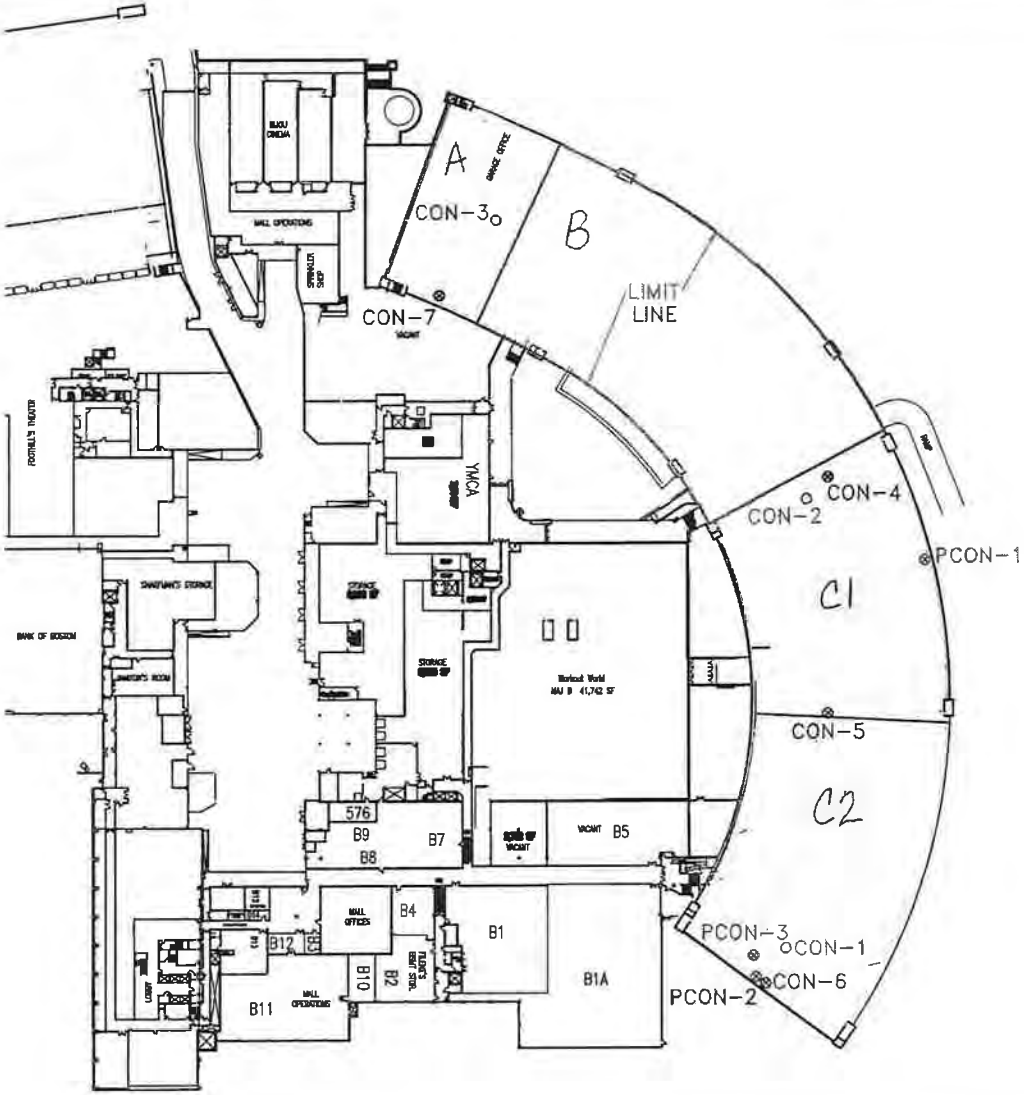
    Kimberly N. Tisa, PCB Coordinator
    United States Environmental Protection Agency
    5 Post Office Square, Suite 100 – (OSRR07-2)
    Boston, Massachusetts 02109-3912
    Telephone: (617) 918-1527
    Facsimile: (617) 918-0527

21. No record, report or communication required under this Approval shall qualify as a self-audit or voluntary disclosure under EPA audit, self-disclosure or penalty policies.

****

END OF ATTACHMENT 1

Attachment 2



CONCRETE CORE LOCATIONS
SEPTEMBER 8, 2009

CON-#○ CONCRETE CORE LOCATION

ADDITIONAL PCB
SAMPLING LOCATIONS
OCTOBER 28, 2009

CON-#⊗ PCB CONCRETE CORE LOCATION

PCON-#⊗ COMBINED CONCRETE AND PAINT SAMPLE LOCATION

CITYSQUARE DEVELOPMENT CO., LLC

CITY SQUARE
FRONT STREET
WORCESTER MASSACHUSETTS

FIGURE 3
SAMPLE LOCATIONS

URS

DRAWN BY:	PROJECT NO.:	SHEET NO.:	
CHECKED BY:	SCALE:		
APPROVED BY:	DATE:	7/10	1 OF 1

URS

Memorandum

Date: November 29, 2010

To: Kimberly Tisa
U.S. EPA New England TSCA Coordinator

From: Marilyn Wade

Subject: **Supplemental Information, CitySquare Cleanup Plan Amendment**

Following up on our telephone conversation on November 17, 2010, this memorandum provides the additional requested information for the amendment of the PCB cleanup plan for the CitySquare project in Worcester, MA. The original cleanup plan approved by EPA addressed the presence of PCBs in paint at the facility garage, and the amendment was submitted to address the potential for PCBs to be present in caulk in the garage as well. Each of the items we discussed and the corresponding responses are summarized below:

(1.) Review the data in the laboratory reports from caulk sampling and provide an explanation for the 0% recoveries (see for example page 57 of 82 in the Alpha report).

URS contacted Alpha Analytical Laboratories and requested they review the data and lab report narrative and provide an explanation for the zero recoveries. The attached letter from Alpha summarizes their findings.

(2.) The lab reports include samples labeled Dup1 through Dup 4 (caulk samples) and Dup 1 and Dup 2 (concrete and paint samples) but the tables do not list these results or indicate which samples are associated with the duplicates.

URS is providing the attached updated tables which incorporate the analytical results for sample duplicates. Please note that concrete Dup 1 was a duplicate of sample WCP-018-002. Sample WCP-018-002 was not analyzed because PCBs were not found to have leached from the caulk (WCP-018) at this location based on analysis of WCP-018-001. The second sample, WCP-018-002, which was collected from a further distance away than WCP-018-001 was not analyzed. Therefore, there is no analytical result for Dup 1.

(3.) Clarify that all caulk with the exception of the caulk on level 6 will be considered impacted and will be removed. Confirm the total estimated linear feet of caulk and the total estimated linear feet of caulk within the part of the garage to remain in place.

The caulk in floor joints and in columns on levels 1 through 5 (garage floors B2 through 3 respectively) will be considered PCB impacted and will be removed. The caulk in floor joints on level 6 (garage floor 4) of the garage was not found to have PCBs and will remain. The only caulk on level 6 of the garage that will be removed is the vertical joint caulk in the pier between the garage and the mall itself (sample location WCP-005). Approximately 90,000 lf of caulk are

URS Corporation
5 Industrial Way
Salem, NH 03079
603.893.0616
603.893 6240 (Fax)

to be removed, and roughly 40%, or 36,000 lf of this is within the area designated Area B in the EPA approval letter (i.e. the area of the garage to remain after demolition).

(4.) Clarify sample descriptions for caulk sample locations in Table 1

All samples described in Table 1 were from floor joints within the garage unless the sample description stated otherwise. Specifically, samples WCP-001, WCP-005, WCP-019, WCP-023, WCP-24, WCP-29, and WCP 31 through 36 are from vertical joints, while all of the remainder are from floor joints. Sample location WCP-36 is from caulk between precast panels within a landscaped area adjacent to level 2, and that vertical joint will be removed as part of the removal of floor caulk on level 2. Samples WCP-31 through WCP-35 are from the roof of the mall itself, and only the white vertical caulk around one mechanical penthouse (location WCP-031) was found to be impacted with low level PCBs (4.3 ppm). This location is not part of the garage demolition and will be addressed as part of a separate phase of the CitySquare project.

(5.) Section 2.2 of the plan includes ultra high pressure water-jetting as a possible method for caulk removal. This is not a typical methodology and is not recommended.

Ultimately the preferred means and methods for caulk removal will be up to the contractor and will be described in the contractor's work plan. A preference for mechanical removal inside of the containment, as opposed to a water based method will be communicated to Dec-Tam and NASDI. Note that NASDI is the demolition contractor and Dec-Tam is the PCB remediation contractor that has replaced Clean Ventures Inc. as the PCB remediation contractor (addressing both the paint and caulk) for the project.

cc: D. Birch, CitySquare

Attachments

• 8 WALKUP DRIVE, WESTBOROUGH, MA 01581
• 320 FORBES BOULEVARD, MANSFIELD, MA 02048
WWW.ALPHALAB.COM

November 22, 2010

URS Corporation
5 Industrial Way
Salem, NH 03079
Attention: Ms. Marilyn Wade

Dear Ms. Wade,

The purpose of this letter is to address the concerns raised in your email dated November 17, 2010 regarding the PCB analysis of caulking samples in support of the Worcester Commons project. A thorough review of the analytical data included in the two laboratory reports you attached (Alpha project numbers L1012286 and L1014639) was conducted.

Alpha Analytical has analyzed a considerable number of caulking samples for PCBs. Caulking can be a challenging sample matrix to work with; however Alpha has noted that not all caulking samples behave similarly. There are some samples that do not cause any analytical difficulties and there are others that can cause significant problems. Typically with the samples that do cause problems, the issue is that there is something present in the caulking that is extracted and it is present in such a high concentration as to interfere with concentrating the sample extract and/or interfering with the gas chromatographic analysis. In these cases, the laboratory needs to dilute the sample in order to generate usable chromatography and the dilutions required can cause the surrogate spikes to be diluted out.

As you stated in your email, EPA is concerned with the 0% surrogate spike recovery that was reported for several of the samples. Upon reviewing the reports you provided, the cause for the poor recoveries was that the sample extract required dilution in order to obtain usable chromatography, as described above.

To demonstrate the magnitude of the matrix effect observed with these samples, I have attached the chromatograms of three representative samples ("WCP-012", "WCP-020" & "WCP-032"). Using the internal standard 1-Bromo-2-Nitrobenzene as a reference, eluting approximately between 2.1-2.5 minutes, the samples show significant non-target baseline rise, and in fact could have been diluted further to improve the chromatography. It is important to note that none of the chromatograms suggest that PCBs are present at these concentrations based on retention time and pattern recognition. For comparison purposes, a chromatogram of sample "WCP-017" is also included. Although similar matrix interferences are shown, the concentrations are not significant enough to interfere with the analysis.

In summary, Alpha Analytical, recognizes the EPA's concern however based on the matrix interference caused by some of these caulking samples, there is little further we could have done to analyze the samples at a lesser dilution. If you have any questions or require any additional information, please do not hesitate to contact me directly at (508) 439-5173.

Sincerely,
Alpha Analytical

Lisa Westerlind

Lisa Westerlind
Organics Laboratory Manager

Data File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100816a.b\08160015.D

Date : 16-AUG-2010 14:02

Client ID:

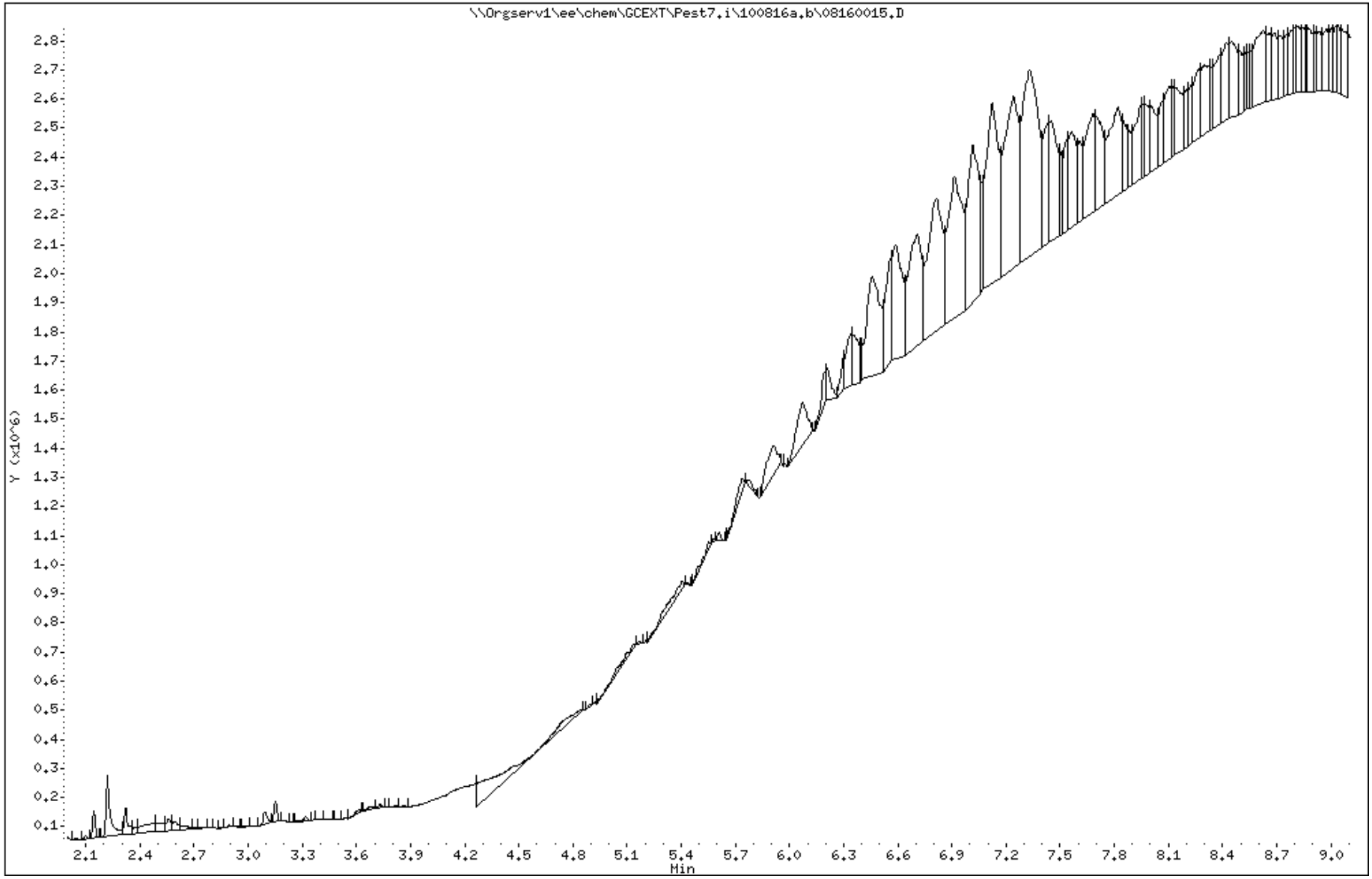
Instrument: Pest7.i

Sample Info: 11012286-34 ,42,5x10

Operator: kb

Column phase: Rtx-1701

Column diameter: 0.32



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Client ID:

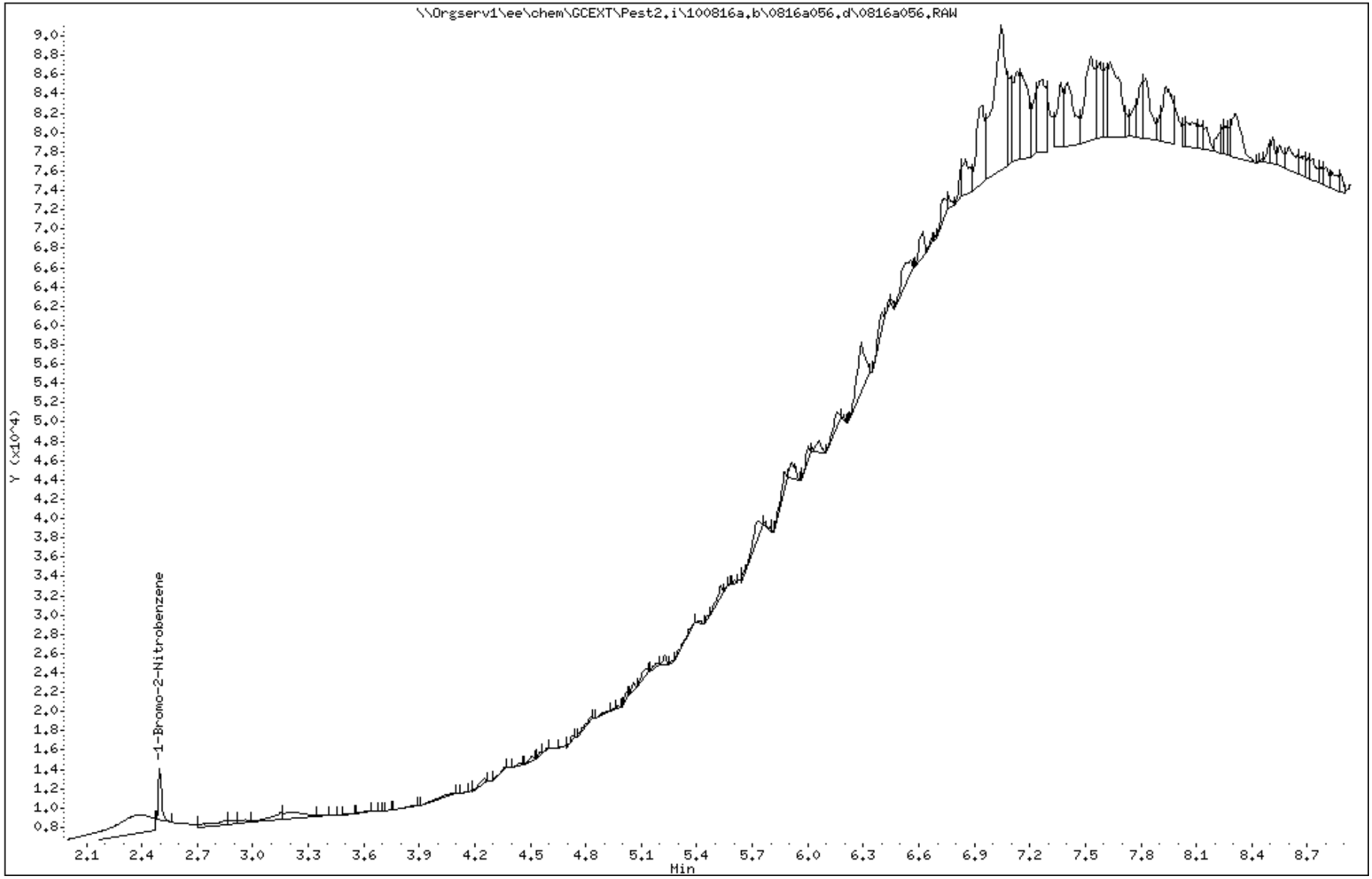
Instrument: pest2.i

Sample Info: 11012286-20d,42, 5x fv10

Operator: kb

Column phase: Rtx-1701

Column diameter: 0.32



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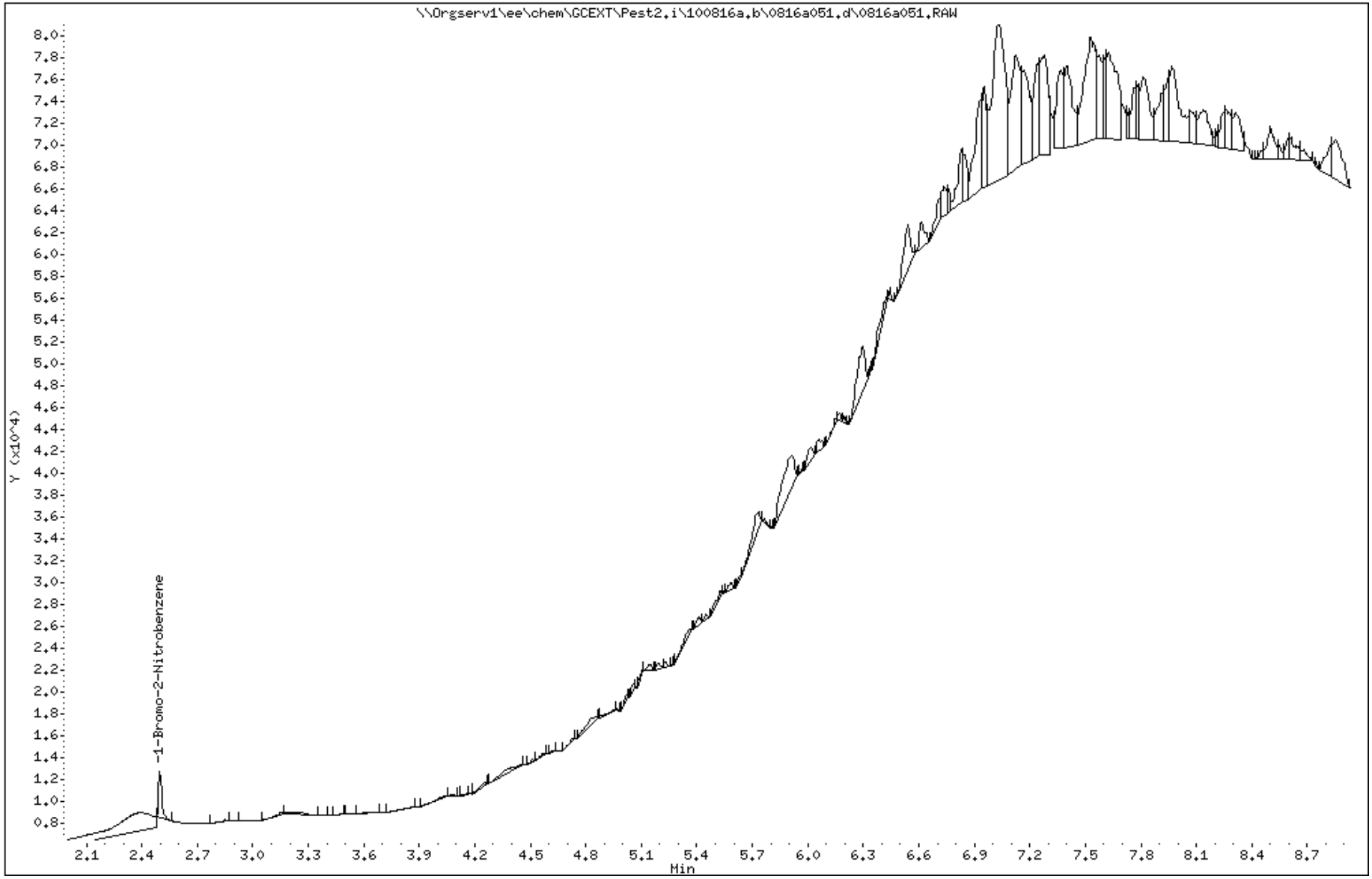
Date : 16-AUG-2010 19:08
Client ID:
Sample Info: 11012286-12d ,42,5x fv10

Column phase: Rtx-1701

Instrument: pest2.i

Operator: kb
Column diameter: 0.32



Data File: \\Orgserv1\ee\chem\GCEXT\Pest2.i\100814a.b\0814a035.d

Date : 14-AUG-2010 18:37

Client ID:

Instrument: pest2.i

Sample Info: 11012286-17,42, fv5

Operator: kb

Column phase: Rtx-1701

Column diameter: 0.32

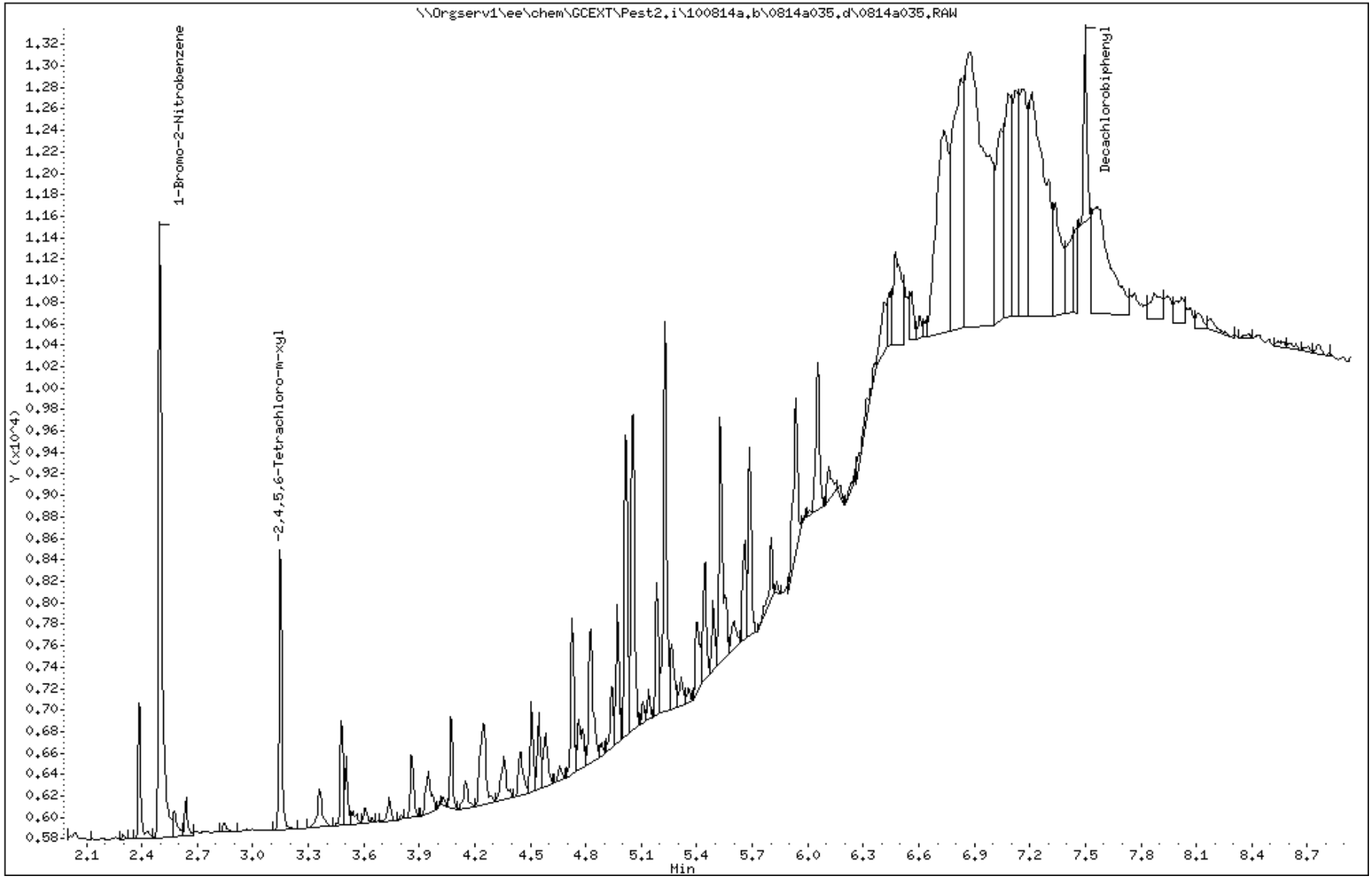


Table 1
Caulk and Adjacent Concrete Sample Results (mg/kg)
Former Worcester Commons Mall
City Square, Worcester, Massachusetts

LOCATION ID	QC	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs	Sample Description
WCP-001		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Level 6 Sect P @ concrete & stairwell
WCP-002		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Level 6, btwn P & R, expansion joint caulk
WCP-003		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Level 6 in between stairwells
WCP-004		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Level 6, floor joint
WCP-005	D	ND	ND	ND	ND	ND	**20.30**	**13.70**	ND	ND	**34.00**	Level 6 filler caulk for piers
WCP-005-001		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	concrete adjacent to caulk sample
WCP-006		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Level 6, btwn PA and PB, black caulk, floor
DUP-001		ND	ND	ND	ND	**1.15**	0.801	ND	ND	ND	1.95	Duplicate of WCP-006
WCP-007		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Level 6, P50, floor
WCP-008		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Level 6, P42, floor
WCP-009		ND	ND	ND	ND	**2.35**	**2.48**	ND	ND	ND	**4.83**	Level 5, P44, floor
WCP-010	D	ND	ND	ND	ND	**19.60**	ND	ND	ND	ND	**19.60**	Level 5, P46, floor
WCP-010-001		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	concrete adjacent to caulk sample
WCP-011		ND	ND	ND	ND	**5.92**	**4.07**	ND	ND	ND	**9.99**	Level 5, P46, C-D, floor
WCP-012	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Level 5, P52, floor
WCP-013	D	ND	ND	ND	ND	**18.80**	**15.50**	ND	ND	ND	**34.30**	Level 5, P75-P78
WCP-014	D	ND	ND	ND	ND	**17.10**	ND	ND	ND	ND	**17.10**	Level 5, P82
WCP-014-001		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	concrete adjacent to caulk sample
WCP-015		ND	ND	ND	ND	**3.25**	ND	ND	ND	ND	**3.25**	Level 5, P109
WCP-016	D	ND	ND	ND	ND	**22.60**	ND	ND	ND	ND	**22.60**	Level 5, P120, C-D, floor
WCP-016-001		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	concrete adjacent to caulk sample
WCP-017		ND	ND	ND	ND	**1.88**	**1.09**	ND	ND	ND	**2.97**	Level 4, P98, C-D, floor
WCP-018	D	ND	ND	ND	ND	**66.00**	ND	ND	ND	ND	**66.00**	Level 4, P108, B-C, floor
DUP-002		ND	ND	ND	**12.7**	ND	ND	ND	ND	ND	**12.70**	Duplicate of WCP-018
WCP-018-001		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	concrete adjacent to caulk sample
WCP-019		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Level 4, P125, A, near elevator
WCP-020	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Level 4, P69 A-B
WCP-021		ND	ND	ND	ND	**1.18**	ND	ND	ND	ND	**1.18**	Level 4, P52 C-B
WCP-022		ND	ND	ND	ND	**2.05**	**0.67**	ND	ND	ND	**2.72**	Level 4, P42 C-D
WCP-022-001		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	concrete adjacent to caulk sample
WCP-023		ND	ND	ND	ND	ND	**2.14**	ND	ND	ND	**2.14**	Level 4, vertical column
WCP-024		ND	ND	ND	**5.23**	ND	**1.69**	ND	ND	ND	**6.92**	Level 3, vertical column
WCP-025		ND	ND	ND	ND	**8.64**	**2.61**	ND	ND	ND	**11.25**	Level 3, expansion joint
DUP-003		ND	ND	ND	ND	**7.22**	ND	ND	ND	ND	**7.22**	Duplicate of WCP-025
WCP-025-001		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	concrete adjacent to caulk sample
WCP-026		ND	ND	ND	ND	**2.24**	ND	ND	ND	ND	**2.24**	Level 3, expansion joint
WCP-027		ND	ND	ND	ND	**2.03**	ND	ND	ND	ND	**2.03**	Level 2, caulking in crack
WCP-028		ND	ND	ND	ND	**5.66**	**2.98**	ND	ND	ND	**8.64**	Level 2, floor
WCP-029		ND	ND	ND	ND	**1.45**	ND	ND	ND	ND	**5.51**	Level 1, caulking in column
WCP-030		ND	ND	ND	**1.88**	ND	ND	ND	ND	ND	**1.88**	Level 2, section E
WCP-031		ND	ND	ND	ND	**4.30**	ND	ND	ND	ND	**4.30**	Roof, white vertical caulking
DUP-004		ND	ND	ND	ND	**4.74**	ND	ND	ND	ND	**4.74**	Duplicate of WCP-031
WCP-032		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Roof, vertical caulking
WCP-033		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Roof, caulking at skylight
WCP-034	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Roof, caulking at skylight
WCP-035		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Roof, roof membrane to brick
WCP-036	D	ND	ND	ND	ND	ND	**430.00**	ND	ND	ND	**430.00**	Caulk in concrete panels in landscape patio area between garage and entrance
WCP-036-001		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	concrete adjacent to caulk sample

Notes:
All samples Labled WCP-### were collected on August 6, 2010
All Samples Labled WCP-###-### were collected on September 20, 2010 and are analysis for concrete samples collected adjacent to the caulk sample in the row above.
Results are in mg/kg
BOLD results indicate PCB concentration >1 mg/kg
BOLD and highlighted results indicate PCB concentration >50 mg/kg
Samples qualified with a "D" were quantified through required dilution
ND: Below laboratory reporting limits for the sample
QC: Laboratory qualifiers

Table 2
Paint Chip Sample Results (mg/kg)
Former Worcester Commons Mall
City Square, Worcester, Massachusetts

LOCATION ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	**Total PCBs**	**Sample Description**
WCCP-001	ND	ND	ND	ND	ND	0.67	0.32	ND	ND	0.99	White with green paint on columns, level 4
WCCP-002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	White with yellow paint on column, level 5
WCCP-003	ND	ND	ND	ND	ND	ND	3.31	ND	ND	3.31	White with Green Paint on columns, below level 2
WCCP-004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	White with green paint on column, level 2
WCCP-005	ND	ND	ND	ND	4.93	ND	ND	ND	ND	4.93	White with yellow paint n columns, level 1
WCCP-006	ND	ND	ND	ND	ND	1.05	ND	ND	ND	1.05	White with yellow paint, level 5
WCCP-007	ND	ND	ND	ND	ND	1.17	ND	ND	ND	1.17	White with yellow, level 5
DUP 2	ND	ND	ND	ND	1.68	0.554	ND	ND	ND	2.23	Duplicate of WCCP-004

Note:
All Samples Labeled WCCP-### were collected on September 20, 2010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
5 POST OFFICE SQUARE, SUITE 100
BOSTON, MASSACHUSETTS 02109-3912

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

DEC 3 2010

Donald W. Birch, Sr. Vice President
as authorized signatory for CitySquare II Development Co. LLC
Leggat McCall Properties
10 Post Office Square
Boston, Massachusetts 02109

Re: Modification to PCB Cleanup and Disposal Workplan under 40 CFR §§ 761.61(a) and (c); and § 761.79(h)
Former Worcester Common Outlet Mall, Worcester, MA

Dear Mr. Birch:

This is in response to the CitySquare II Development Company, LLC (CitySquare) notification for a proposed modification to its PCB cleanup and disposal workplan for work currently being conducted in the parking garage at the former Worcester Common Outlet Mall located in Worcester, Massachusetts (the Site). This proposed modification was submitted in accordance with Condition 16 of the *August 2, 2010 PCB Risk-Based Cleanup and Disposal Approval under 40 CFR §§ 761.61(a) and (c) and § 761.79(h)*

CitySquare has determined that caulk located in the floor and wall joints within the parking garage contains PCBs at greater than (>) 50 parts per million (ppm). CitySquare has proposed the removal and disposal of the PCB caulk and any associated PCB-contaminated concrete joints under its current PCB cleanup and disposal workplan.

Based on the information provided and given that the containment and monitoring requirements for both the current PCB paint abatement work and proposed PCB caulk removal work are similar, EPA is approving CitySquare's modification request with the following conditions:

1. Unless otherwise modified by this letter, CitySquare must comply with all terms and conditions specified in the *August 2, 2010 PCB Risk-Based Cleanup and Disposal Approval under 40 CFR §§ 761.61(a) and (c) and § 761.79(h).*

2. CitySquare must obtain all necessary State and local permits or approvals required for this modification.

3. CitySquare shall submit the following information for EPA review and/or approval:

   a. A contractor work plan, prepared and submitted by the selected demolition or abatement contractor(s) describing the caulk removal and concrete removal procedures that will be employed during these activities. This work plan should also include information on how and where wastes will be stored and on how field equipment will be decontaminated.

4. PCB-contaminated materials shall be decontaminated and verification sampling and analysis shall be conducted as described below:

   a. All visible residues of PCB caulk shall be removed and disposed of as described in the Notification.

   b. The decontamination standard for building *porous surfaces* (i.e. concrete) shall be less than or equal to (≤) 1 ppm.

      i) All post-decontamination verification sampling of *porous surfaces* shall be performed on a bulk basis (i.e. mg/Kg). Samples shall be collected according to EPA's *draft* Standard Operating Procedure For Sampling Concrete in the Field, dated 12/30/97 to a maximum depth of 0.5 inches and in accordance with the sampling frequency described below.

         (1) Area of garage to remain in-place after demolition activities: The initial verification sampling frequency shall be a minimum of 1 sample per every 50 linear feet for the first 500 feet. In the event that all verification sampling results are ≤1 ppm, the verification sampling frequency may be reduced to 1 sample per every 500 linear feet for the remainder of this area.

         (2) Area of parking garage to be demolished: The initial verification sampling frequency shall be a minimum of 1 sample per every 50 linear feet for the first 500 feet. In the event that all verification sampling results are ≤1 ppm, the verification sampling frequency may be reduced to 1 sample per every 1,000 linear feet for the remainder of this area.

      ii) In the event **any** verification sample is greater than (>) 1 ppm, CitySquare shall contact EPA to determine what modifications, if any, need to be made to the sampling frequency or to the abatement plan for the remainder of the project.

iii) Chemical extraction for PCBs shall be conducted using Methods 3500B/3540C of SW-846; and, chemical analysis for PCBs shall be conducted using Method 8082 of SW-846, unless another extraction and/or analytical method(s) is validated according to Subpart Q.

iv) For decontaminated *porous surfaces* that have PCB concentrations exceeding the decontamination standard, CitySquare may conduct additional decontamination to achieve the required decontamination standard or must store and dispose of these materials as TSCA-regulated waste in accordance with 40 CFR Part 761.

As indicated above, EPA is requiring a higher sampling frequency than that proposed by CitySquare based on the limited sampling that was conducted within the concrete joints adjacent to the caulk.

Questions and correspondence regarding this modification approval should be directed to:

Kimberly N. Tisa, PCB Coordinator (OSRR07-2)
United States Environmental Protection Agency
5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912
Telephone: (617) 918-1527
Facsimile: (617) 918-0527

EPA shall not consider this project complete until it has received all submittals required under this Approval. Please be aware that upon EPA receipt and review of the submittals, EPA may request any additional information necessary to establish that the work has been completed in accordance with 40 CFR Part 761, the Notification, the proposed modification, and this Approval.

Sincerely,

James T. Owens, Director
Office of Site Remediation & Restoration

cc M. Wade, URS
MassDEP Central Region
File

Prepared for:

CitySquare II Development Co LLC
c/o Leggat McCall Properties LLC
10 Post Office Square
Boston, Massachusetts 02109

Prepared by:

URS Corporation
5 Industrial Way
Salem, New Hampshire 03079

Amendment 2 to PCB Management Plan
Former Worcester Common Outlet Mall
Worcester, Massachusetts

PN: 39743438
April 12, 2011

TABLE OF CONTENTS

Section **Page**

1.0 INTRODUCTION 1
1.1 Contact and Certification 2
1.2 Site Characterization 3
1.3 Sampling and Analysis 3
1.4 Conceptual Site Model 4
1.5 Nature and Extent of PCB Impacts 4
2.0 CLEANUP PLAN 6
2.1 Site Preparation 6
2.2 Caulk Removal and Disposal 7
2.3 Post-Removal Clearance 7
3.0 PROJECT SCHEDULE AND RECORDKEEPING 10

FIGURES

Sheets 1 - 6 – Caulk and Concrete Sample Locations
Figure 7 - Proposed Locations for Material Reuse

TABLES

Table 1 – Caulk and Adjacent Concrete Sample Results

APPENDICES

Appendix A – Laboratory Reports

1.0 INTRODUCTION

On behalf of CitySquare II Development Co LLC (CitySquare), URS Corporation (URS) has prepared this amendment (Amendment 2) to the approved plan for cleanup of polychlorinated biphenyls (PCBs) under the Toxic Substances Control Act (TSCA) at the former Worcester Common Outlet Mall garage in Worcester, Massachusetts (the Site). This amendment has been prepared in accordance with condition 16 of the EPA Approval, the TSCA requirements outlined in 40 CFR 761.61(a) and 40 CFR 761.79(h) and meetings and correspondence between URS and the U.S. Environmental Protection Agency (EPA) Region 1 TSCA Coordinator. The PCB cleanup is being implemented in conjunction with the planned demolition and redevelopment work at the site. The purpose of the amendment is to modify (reduce) the scope of PCB caulk remediation at the site. Analytical data obtained in February and March 2011 confirms that the levels of PCBs in the translational crack fill material are below 6.8 ppm and do not require abatement.

On July 16, 2010 CitySquare submitted a PCB cleanup and disposal plan to abate PCB impacted paint on the striping within the garage. EPA Approval for that plan was provided on August 2, 2010. Subsequently, during the planning stages of the Site redevelopment, URS undertook sampling and analysis of caulk found predominantly in expansion joints along the floor of the garage building, and to some extent in the walls. Results of this sampling and analysis indicated that PCBs were present in some of the caulk at levels above the allowable concentrations as regulated by TSCA. A cleanup and disposal work plan amendment (hereafter referred to as Amendment 1) to include caulk abatement was submitted to EPA on October 22, 2010. Amendment 1 provided updated site characterization, notification and certification required pursuant to TSCA 40 CFR 761(a) and included the anticipated scope, approach and schedule for abating the caulk containing PCBs. EPA Approval for Amendment 1 was provided on December 3, 2010. This amendment (Amendment 2) proposes to modify the scope of caulk removal by reducing the linear feet of floor cracks that need to be addressed. All other components of the EPA approved work plan (e.g. method of removal and disposal, contractor work plan, laboratory certification) remain unchanged.

Subsequent to EPA's approval of Amendment 1, CitySquare endeavored to determine whether any of the different types of caulking material (wide expansion joint caulk, saw cut joint caulk, and translation crack fill) could be determined through laboratory analysis to contain PCBs at less than TSCA concentrations. The results of these analyses indicated that while the expansion and saw cut joint caulks did in some location contain PCBs at levels > 50 ppm, the translational crack filler was a different type of material altogether and did not contain PCBs at those levels. This Amendment 2 provides supporting information as required by 40 CFR 761(a)(3) for a modification to eliminate the translational crack fill material from the scope of the caulk cleanup. Such supporting information includes characterization analyses, sample locations, and the potential locations where the garage demolition material will be deposited on-site, pursuant to the Beneficial Use Determination by the Massachusetts Department of Environmental Protection's (MassDEP).

1.1 Contact and Certification

The CitySquare representative providing this notification and certification who will be responsible for this project is Donald W. Birch, Authorized Signatory for CitySquare II Development Co. LLC. His contact information is provided below:

Donald W. Birch
Leggat McCall Properties LLC
10 Post Office Square
Boston, Massachusetts 02109
617-422-7007

I certify that I am the person in charge of the PCB cleanup, representing the owner of the property where the PCB remediation waste is located. I certify 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 designated above and are available for EPA inspection.

CitySquare II Development Co LLC

_____ _____

Donald W. Birch Date
Authorized Signatory

1.2 Site Characterization

This section presents the results of additional assessment work completed since EPA Approval of Amendment 1 on December 3, 2011. Thirty-eight additional caulk samples were collected on February 17-18, 2011, two samples were collected on March 3, 2011 and nine additional samples of crack fill were collected on March 15, 2011. All samples were analyzed for PCBs, with the exception of one (WCP-009A), which was submitted for toxicity characteristic leaching procedure (TCLP) PCBs.

1.3 Sampling and Analysis

Caulk Sampling

At the request of the redevelopment project team, on February 17-18, 2011, URS sampled caulk from thirty-eight locations throughout the garage. Caulk from garage Level 6 was not sampled, as the caulk samples previously collected on this level were all below 50 ppm PCBs. The samples were collected from the different types of caulk in the garage building, including wide expansion joints, thin expansion joints (also called saw cut joints), and translational cracks. The purpose of collecting these samples was twofold: (1) to evaluate whether any of the caulk types could be eliminated as TSCA material; and (2) to determine the extent of existing TSCA-regulated caulk by collecting caulk samples in close proximity to those that contained PCBs above 10 ppm in the August 2010 sampling event. **Table 1** includes the sample IDs, sample details/descriptions, sample locations, and PCB concentrations for the samples collected in February 2011 as well as other caulk samples collected previously from the garage. The caulk sample locations are identified on Sheets 1 through 5, attached.

The caulk samples were collected by mechanical means, with sections of caulk removed and samples obtained from below the immediately exposed surface. Sampling equipment was decontaminated between each sample location to prevent cross-contamination. The samples were submitted to Alpha Analytical in Westborough, Massachusetts for extraction and PCB analysis on a bulk basis (mg/Kg or ppm) and in accordance with TSCA analytical requirements. Chemical extraction was completed using EPA Method 3540C and chemical analysis of PCBs (Aroclors) was conducted using EPA Method 8082. Chain-of-custody procedures were maintained throughout this process to ensure sample integrity.

The laboratory analysis identified concentrations in the caulk that ranged from below laboratory method detection limits to 260 ppm. Two additional samples were collected on March 3, 2011. The results of all of these sample analyses are included in **Table 1**.

Based on the PCB results for the caulking, URS contacted USEPA on March 14, 2011 to discuss CitySquare's proposal to abate the wide expansion joints and saw cut joints, but not the translational crack fill material. USEPA requested that additional samples of the translational crack fill be collected from the section of the garage that will not be demolished (B section/center section). One March 15, 2011, nine samples were collected

(including one duplicate sample) of the translational caulk fill within Section B of the garage. In addition, one sample (identified as WCP-009A) was collected from location WCP-009.

The caulk samples were submitted to Alpha Analytical in Westborough, Massachusetts for extraction and PCB analysis on a bulk basis (mg/Kg or ppm) and in accordance with TSCA analytical requirements. Chemical extraction was completed using EPA Method 3540C and chemical analysis of PCBs (Aroclors) was conducted using EPA Method 8082. In addition, sample WCP-009A was submitted for TCLP PCB analysis for inclusion in a revised BUD Application submittal to MassDEP. Chain-of-custody procedures were maintained throughout this process to ensure sample integrity.

The laboratory analysis identified concentrations in the caulk that ranged from below laboratory method detection limits to 6.8 ppm. The results of sample analysis are included in **Table 1**.

1.4 Estimate of Linear Feet of Caulk

In March 2011, URS observed the garage for the purpose of estimating the linear footage of different types of caulk (wide expansion joints, saw cut joints, translational cracks, column bases, etc.). The following table provides an estimate of the different types of caulk.

Type of Caulk: **Garage Level**	**Linear Feet of Wide Expansion Joints and Saw Cut Joints**	**Linear Feet of Caulk around Columns**
Level 1	4,524	80
Level 2	4,524	230
Level 3	4,524	250
Level 4	4,524	150
Level 5	4,524	70
Subtotals:	**22,620**	**780**

1.6 Nature and Extent of PCB Impacts

The caulk material in the translational floor cracks has been found to contain PCBs at much lower concentrations than originally anticipated, with a maximum detected concentration of 6.8 ppm. The source of the low levels of PCBs detected in the crack filler is undetermined at this time and could be either a component of the original filler material (PCB excluded product) or present as a result of dust ground into the cracks. In accordance with Amendment 1, CitySquare originally estimated that up to approximately 90,000 linear feet of caulk may be present in the garage. The PCB cleanup and disposal plan for the wide expansion joint and saw cut joint caulk and the caulk around the base of some of the columns within the planned demolition area and the section of the garage that is not going to be demolished will remain unchanged. As shown in the above table,

approximately 22,620 linear feet of wide expansion joint and saw cut joint and 780 linear feet of caulk around the base of some garage columns will be remediated.

2.0 CLEANUP PLAN

The primary components of the cleanup plan for the wide expansion joint and saw cut joint caulk and the caulk around the base of selected columns remain as originally proposed and are described in the following sections.

- Remove caulking in wide expansion joints and saw cut joints found on garage floor and walls.
- Provide visual inspection of caulk removal down to concrete
- Collect removed caulk as it is generated in a secure and properly-labeled container
- Transport and dispose collected materials off site as PCB bulk-product waste for caulk or PCB remediation waste for any concrete that does not pass post removal clearance sampling in accordance with 40 CFR 761(a)
- Implement a modified version of TSCA Subpart O confirmatory sampling requirements.
- Repeat removal, visual inspection and confirmatory sampling as needed when initial confirmation does not meet performance standards.

For the Site PCB wide expansion joint, saw cut joint, and selected column caulk remediation, the performance standard that will be applied is removal to ≤1 mg/Kg (1 ppm) total PCBs as provided in condition 13 of the EPA Approval.

The PCB wide expansion joint, saw cut joint, and selected column caulk cleanup will be performed by the PCB abatement subcontractor NASDI, LLC of Waltham, Massachusetts, in accordance with the NASDI Supplemental Work Plan submitted to EPA on January 25, 2011.

2.1 Site Preparation

Site preparation and controls will be the same as those being used for the PCB paint removal. The site specific health and safety plan prepared by NASDI will apply to the caulk removal work. Access to the work areas will be controlled through fencing, containment and/or barriers. Active caulk removal areas will be contained using polyethylene sheeting or equivalent to control any blowing dust or debris generated from the cleanup activities.

Wet wiping or misting shall be used to suppress dust where necessary. A combination of engineering controls (polyethylene containment), dust suppression, and PPE will be employed as part of the active removal. The air monitoring program in place for the paint abatement work will be extended to cover the caulk removal. No ambient air monitoring outside of the work zone containment is proposed.

2.2 Caulk Removal and Disposal – Expansion Joint and Saw Cut Joint and Caulk From the Base of Some Columns

The selected contractor will remove the caulk and any foam backer rod than may have been in contact with the caulk. Caulk in excess of the 1 ppm performance standard will be removed from the garage floor column joints by physical means, stored and disposed off site at the EQ/Wayne, Michigan Disposal Facility, the disposal location previously selected for the paint removal PCB remediation waste or at Waste Management/Model City, New York Disposal Facility, the proposed alternate location selected by NASDI in their work plan. The PCB impacted caulk will be considered PCB bulk product waste. The caulk will be remediated by saw cutting the joints. Alternative removal methods with hand tools will be implemented in location where saw cutting is not feasible provided sufficient caulk removal and the minimization of dust can be demonstrated.

Cleaning of the active area shall be performed in a timely manner to remove caulk, dry and wet debris. Captured caulk and debris shall be immediately placed in suitable waste receptacles placarded on all sides as containing PCB waste per 40 CFR 761.40 and stored in a manner consistent with 40 CFR 761.65. PCB waste containers will be placed in a secure location and containers will be maintained, secured and covered except during loading of waste in accordance with federal regulation. No intermediate stockpiling or other unsecure storage of remediation waste will be allowed.

Disposal of all waste will be in accordance with applicable state and federal regulations and 40 CFR 761.61. Waste will be shipped by a licensed transporter and sent to facilities licensed to receive and dispose PCB bulk product waste in accordance with EPA regulations. The PCB contaminated caulk waste will be shipped under a hazardous waste manifest. Other solid waste, such as PPE and containment materials, will be shipped under a non-hazardous waste manifest. Copies of all waste shipment records will be retained, included in the final report for the cleanup and available to EPA. The identification and documentation to verify acceptability of EQ as the waste receiving facility has already been provided by NASDI.

2.3 Post-Removal Clearance

To confirm that the PCB impacted caulk has been adequately removed from wide expansion joints, saw cut joints, and selected columns, a system of visual inspection, documentation and confirmatory sampling will be utilized, in accordance with the December 3, 2011 EPA Approved Work Plan.

Sampling will be done in general accordance with the EPA Region 1 "*Draft Standard Operating Procedure for Sampling Concrete in the Field*" dated December 1997. Sampling equipment will be decontaminated in accordance with TSCA requirements.

Results of the visual inspection and verification sampling are expected to demonstrate that the concrete adjacent to the abated caulk has met the 1 ppm performance standard. In the event that the analytical results uncover an exceedance of the performance

standard, the contractor will be required to do additional abatement in the affected area, and the area will be re-sampled.

The data quality objective is to achieve sufficient quality to support the conclusion that the cleanup performance standards have been met. The TSCA required analytical process will be followed, and as with the prior sampling, chemical extraction will be completed using EPA Method 3540C and chemical analysis of PCBs (Aroclors) will be conducted using EPA Method 8082. The existing Quality Assurance Plan developed for the original URS PCB Management Plan will be utilized to verify the necessary levels of precisions, accuracy, representativeness and completeness of the data generated during the cleanup.

2.4 Modification of the Existing Cleanup Plan

Based on the additional sampling and observation of the translational crack fill material, CitySquare proposes to modify the cleanup and disposal plan by leaving the translation crack fill material, where present, in place. The crack fill material in the two sections of the garage that will be demolished, the north section (Section A in the EPA Approval) and the south section (Section C) will not be removed.

In an effort to minimize waste generation, conserve landfill space and reduce truck traffic associated with project construction and the transportation of waste material off site for disposal, CitySquare plans to re-use the concrete from the demolition process as backfill material within the project area pursuant to a BUD permit from MassDEP. The concrete in Section A and Section C, associated paint that has been applied to the garage walls since construction and remaining crack fill materials will be crushed together and processed for reuse as structural fill. The concrete will be derived solely from demolition of Sections A and C of the existing garage, and will include concrete walls, floors, columns, stairwells, and driving surfaces along with residual paint and crack fill. The downsized concrete material will be processed down to a material range of between 12 to 3-inch minus, then stockpiled on-site for reuse. Approximately 50,000 cubic yards of concrete is anticipated to be generated by demolition and processing of concrete debris associated with the garage.

The concrete material will be used as deep fill, and sub-base material for roads, sidewalks and hard-surface plaza areas, replacing imported fill that would otherwise be used to grade the site. Refer to Figure 7 for proposed reuse area(s). The Beneficial Use Determination (BUD) for the CitySquare crushed concrete is currently pending with MassDEP.

As part of the BUD application process, the physical and chemical properties of the secondary material must be sufficiently characterized and the resulting produce must not pose a risk. A mass balance was completed for the volume of material to be demolished from the two sections of parking garage proposed for on-site reuse, using the data generated through the sampling and analytical activities, including sampling and analysis

of the crack filler material. The mass balance concentrations were derived by calculating the weight of concrete rubble to be generated, paint coating the concrete surfaces and translational crack filler. For calculation purposes, the paint thickness was conservatively estimated to be one-sixteenth inch (0.0625 inch) thick and the translational crack filler was estimated to have a width and depth of one-quarter inch (0.25-inch) wide. For samples reported as non-detect, one half the detection limit was used to calculate the averages. The PCB chemical characteristics of the final product based on the mass balanced average concentrations indicate a level of 0.0006 ppm of PCBs, well below the BUD proposed standard of 0.044, the Massachusetts Contingency Plan risk based Method 1 standard of 2, and the TSCA cleanup level of 1.

The reused concrete will be placed below a layer of three feet of clean soil with a geotextile marker layer or below pavement. Under these final site conditions, there are no known exposure pathways to the reused material. The location of proposed reuse of this material is below new roadways that are being constructed as part of the redevelopment. As required by MassDEP for approval of a Category 3 BUD, the material will be capped with three feet of clean fill and a marker layer or will be below pavement. A deed notice will be placed on the property that will include management options for the material if it is removed, modified, or processed to prevent adverse impacts and significant risks to public health, safety, or the environment, as well as referring to the MassDEP BUD application by application transmittal number and file location.

2.5 Crack Filler Material in Section B

The crack filler material in Section B, the center section of the garage, will remain in place as that section is not slated for demolition. The center section of the garage will be refurbished and continue functioning as a parking garage. It will remain as it is now, a low-occupancy area with minimal potential for exposure. CitySquare will continue to investigate and assess potential approaches to the crack filler material in Section B, including staying with the existing approved plan to mechanically remove the material, documenting that the crack fill in Section B can be classified as excluded product, allowing the crack fill to remain in the low-occupancy area with a cleanup standard of 25 ppm, in accordance with TSCA 40 CFR 761(a)(4)(1)(B), or more cost effectively remediating using other methods than mechanical removal. A final decision, and if necessary modification to the existing cleanup and disposal plan for crack fill in Section B, will be submitted to EPA at a later date.

3.0 PROJECT SCHEDULE AND RECORDKEEPING

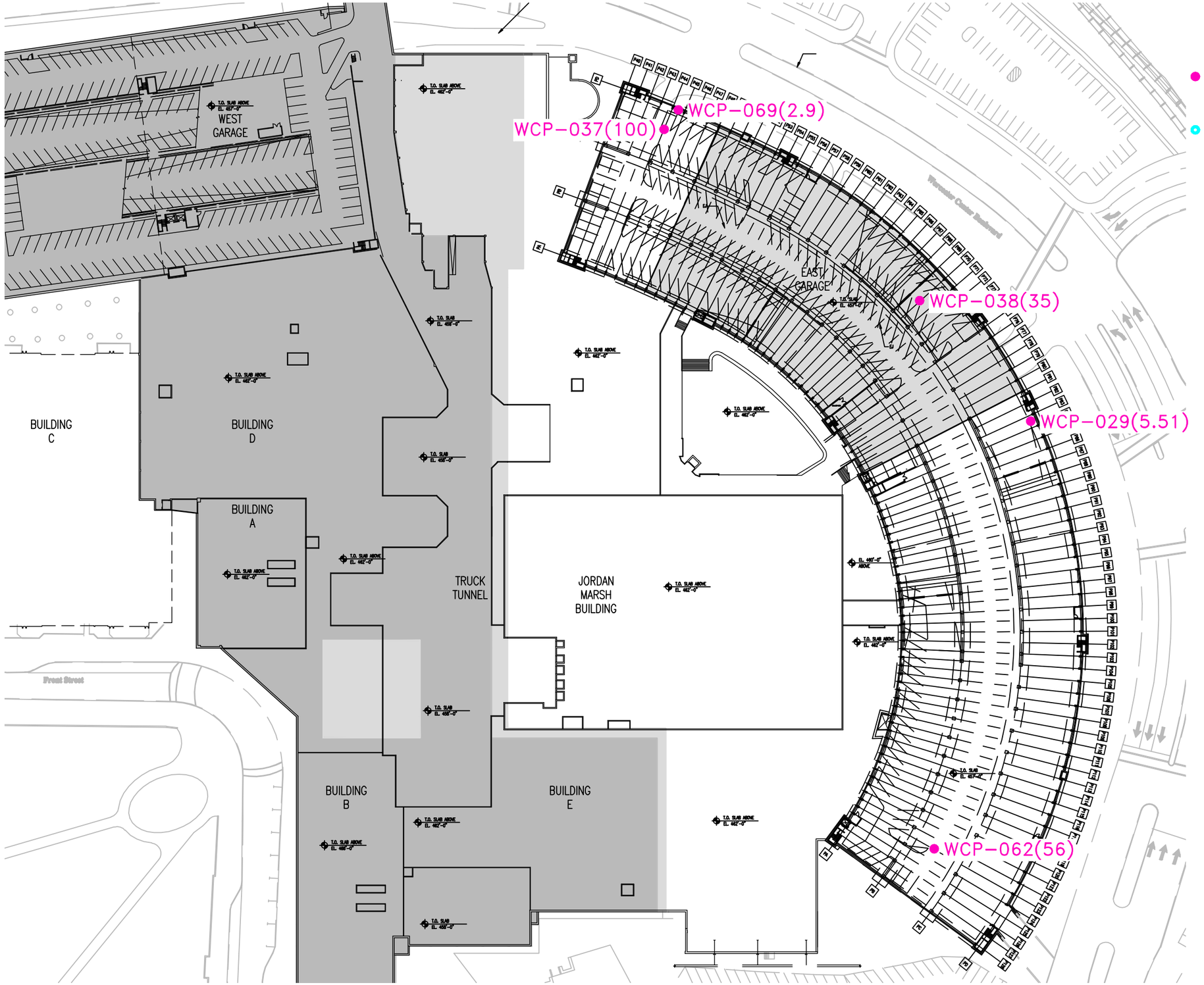
In accordance with TSCA requirements at 40 CFR 761(a), CitySquare plans to begin implementation of the modified plan outlined above as soon as approval is received from the EPA Region 1 TSCA Coordinator in accordance with 40 CFR 761(a)(3)(ii). CitySquare has already initiated expansion joint and crack fill joint caulk removal under the existing plans, and estimates that the work as modified by this Amendment 2 will take approximately 4 to 5 weeks to complete.

As noted in the original approved cleanup and disposal plan, following completion of the PCB caulk cleanup activities, a final report documenting the completion of both the paint and caulk removal work activities will be prepared and submitted to EPA. At a minimum this final report will include:

- A narrative description of the work as completed;
- Photo documentation;
- Verification analytical results and lab reports;
- Volumes of disposed materials; and
- Waste disposal documentation.

Record documents required by 40 CFR 761, including the documents referenced in the certification in Section 1 above, and documents generated during implementation of this work plan will be maintained in one central location and made available for inspection to authorized representatives of EPA.

FIGURES



LEGEND

- ● WCP-###(##) CAULK SAMPLE LOCATION (TOTAL PCB CONCENTRATION IN mg/kg)
- ○ WCP-###(##) CAULK SAMPLE LOCATION WHERE ADJACENT CONCRETE SAMPLES WERE COLLECTED (TOTAL PCB CONCENTRATION IN mg/kg)

CITYSQUARE DEVELOPMENT CO., LLC

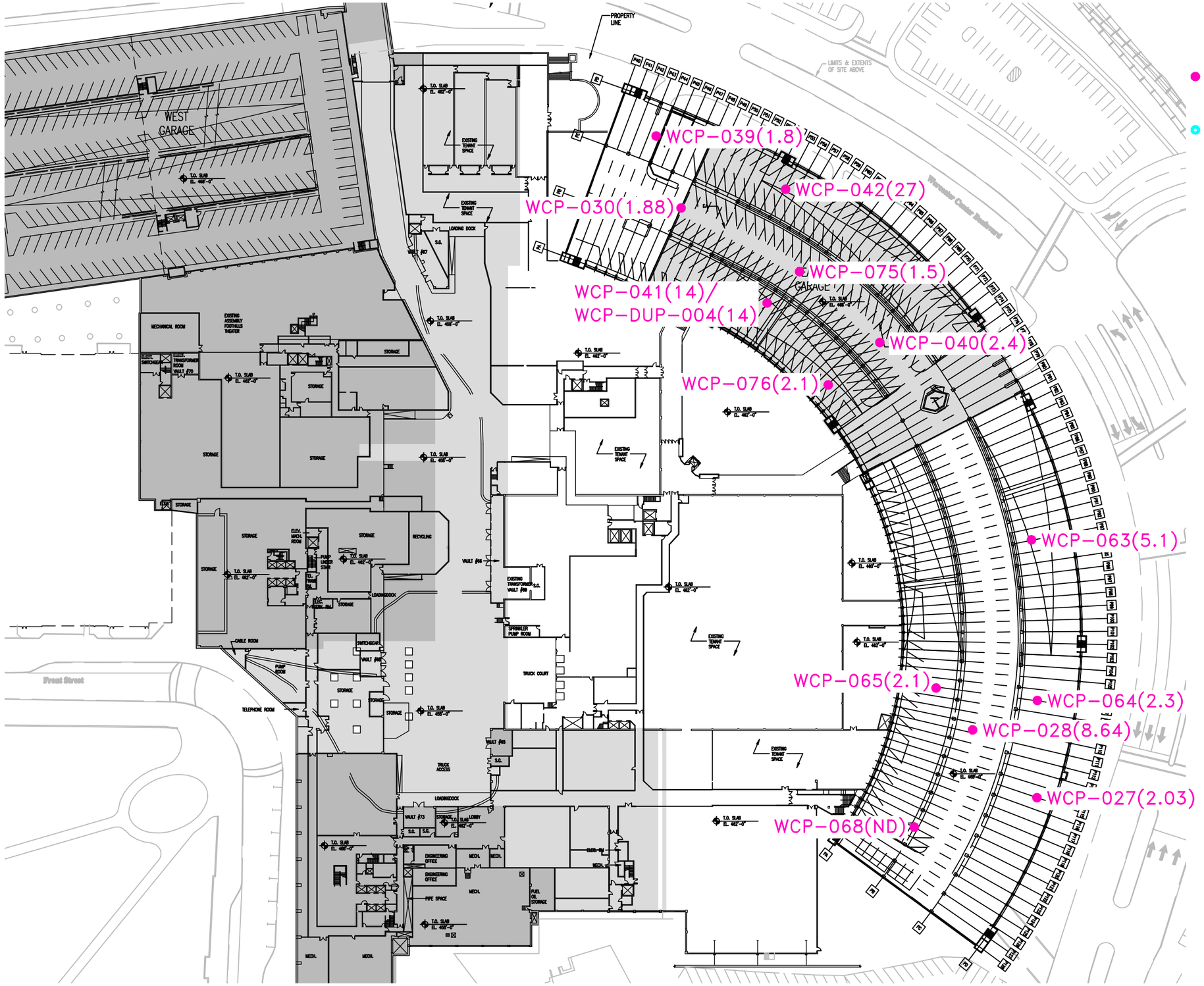
CITY SQUARE WORCESTER COMMONS
FRONT STREET
WORCESTER MASSACHUSETTS

CAULK AND CONCRETE
SAMPLE LOCATIONS
LEVEL 1

URS
5 Industrial Way
Salem, New Hampshire 03079
TEL: (603) 893-0616
FAX: (603) 893-6240
http://www.urscorp.com

DRAWN BY: HAB	PROJECT NO.: 39743438	FIGURE NO.:	
CHECKED BY: JML	SCALE: NTS	1	
APPROVED BY: MMW	DATE: 4/11		

PLOTTED: 04/11/11 3:41PM BY:DENNIS_BURNHEIMER
LAST SAVED: 04/11/11 3:39PM BY:DENNIS_BURNHEIMER
DRAWING: T:\CAD-PROJECT\BERKLEY INV-WORCESTER MA\PLANS\CAULK-CONCRETE_SAMPLES-LEVEL-1.DWG [B2 LEVEL GARAGE]



LEGEND

- ● WCP-###(##) CAULK SAMPLE LOCATION (TOTAL PCB CONCENTRATION IN mg/kg)
- ○ WCP-###(##) CAULK SAMPLE LOCATION WHERE ADJACENT CONCRETE SAMPLES WERE COLLECTED (TOTAL PCB CONCENTRATION IN mg/kg)

CITYSQUARE DEVELOPMENT CO., LLC

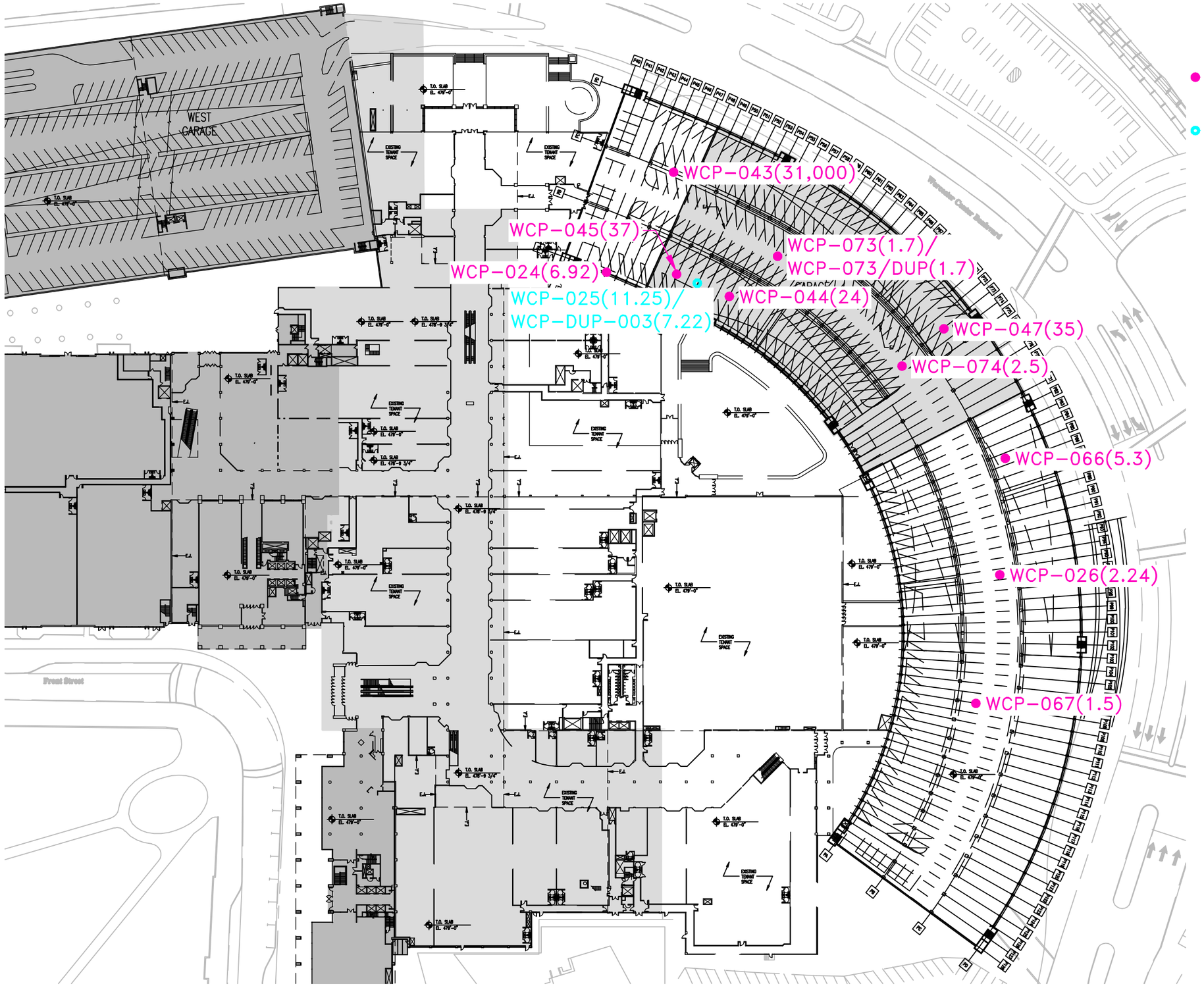
CITY SQUARE WORCESTER COMMONS
FRONT STREET
WORCESTER MASSACHUSETTS

CAULK AND CONCRETE
SAMPLE LOCATIONS
LEVEL 2

URS
5 Industrial Way
Salem, New Hampshire 03079
TEL.: (603) 893-0616
FAX: (603) 893-6240
http://www.urscorp.com

DRAWN BY: HAB	PROJECT NO.: 39743438	FIGURE NO.:	
CHECKED BY: JML	SCALE: NTS	2	
APPROVED BY: MMW	DATE: 4/11		

PLOTTED: 04/12/11 12:36PM BY:DENNIS_BURNHEIMER
LAST SAVED: 04/12/11 12:36PM BY:DENNIS_BURNHEIMER
DRAWING: T:\ACAD-PROJECT\BERGLEY INV-WORCESTER MA\PLANS\CAULK-CONCRETE_SAMPLES-LEVEL-2.DWG [B1 LEVEL GARAGE]



LEGEND

- ● WCP-###(##) CAULK SAMPLE LOCATION (TOTAL PCB CONCENTRATION IN mg/kg)
- ○ WCP-###(##) CAULK SAMPLE LOCATION WHERE ADJACENT CONCRETE SAMPLES WERE COLLECTED (TOTAL PCB CONCENTRATION IN mg/kg)

CITYSQUARE DEVELOPMENT CO., LLC

CITY SQUARE WORCESTER COMMONS
FRONT STREET
WORCESTER MASSACHUSETTS

CAULK AND CONCRETE
SAMPLE LOCATIONS
LEVEL 3

URS
5 Industrial Way
Salem, New Hampshire 03079
TEL: (603) 893-0616
FAX: (603) 893-6240
http://www.urscorp.com

DRAWN BY: HAB	PROJECT NO.: 39743438	FIGURE NO.:	
CHECKED BY: JML	SCALE: NTS	3	
APPROVED BY: MMW	DATE: 4/11		

PLOTTED: 04/12/11 12:38PM BY:DENNIS_BURNHEIMER
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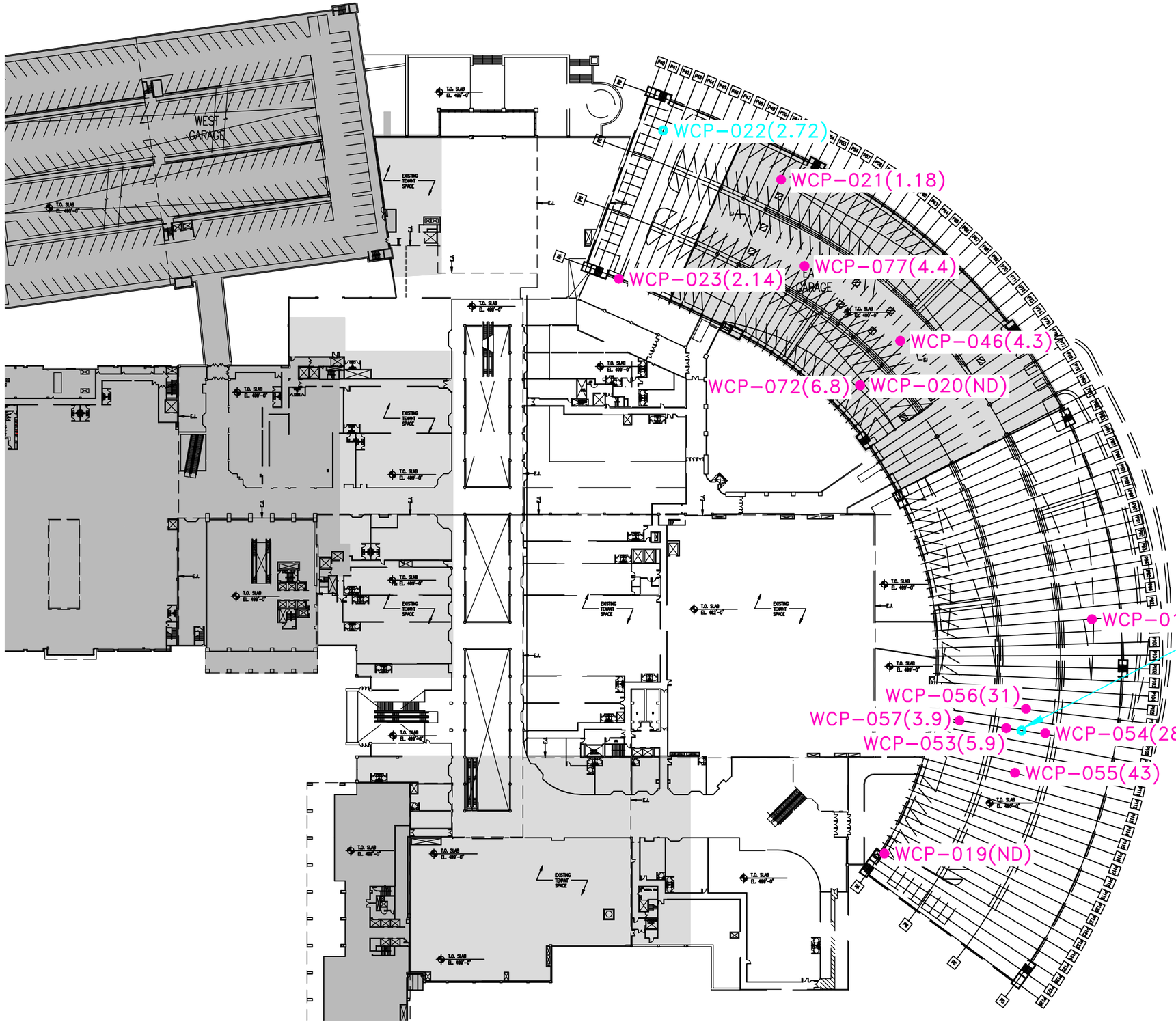
DRAWING: T:\ACAD-PROJECT\BERKELEY INV-WORCESTER MA\PLANS\CAULK-CONCRETE_SAMPLES-LEVEL-3.DWG [GROUND LEVEL GARAGE]



LEGEND

- ● WCP-###(##) CAULK SAMPLE LOCATION (TOTAL PCB CONCENTRATION IN mg/kg)
- ○ WCP-###(##) CAULK SAMPLE LOCATION WHERE ADJACENT CONCRETE SAMPLES WERE COLLECTED (TOTAL PCB CONCENTRATION IN mg/kg)

CITYSQUARE DEVELOPMENT CO., LLC

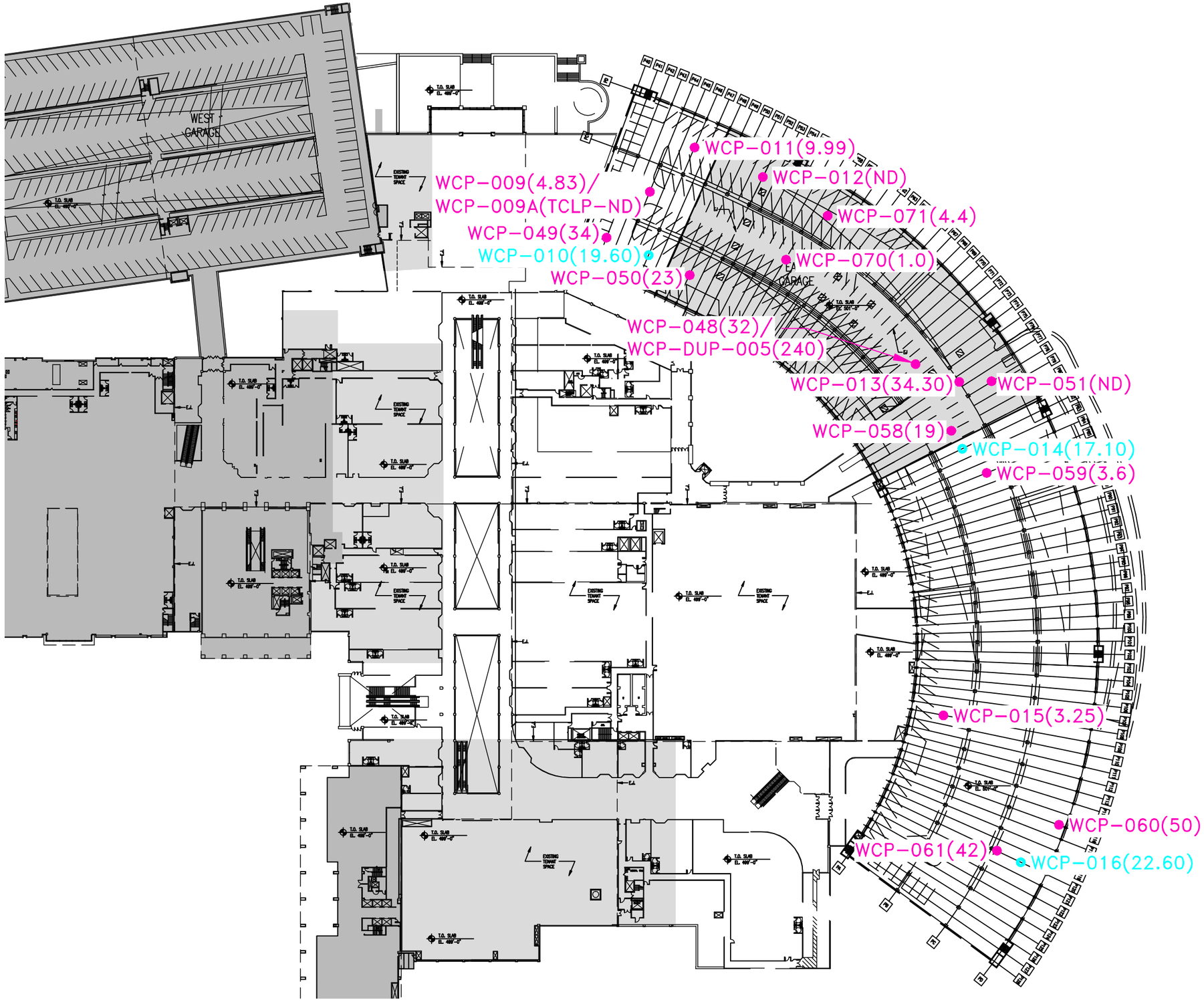
CITY SQUARE WORCESTER COMMONS
FRONT STREET
WORCESTER MASSACHUSETTS

CAULK AND CONCRETE
SAMPLE LOCATIONS
LEVEL 4

URS
5 Industrial Way
Salem, New Hampshire 03079
TEL: (603) 893-0616
FAX: (603) 893-6240
http://www.urscorp.com

DRAWN BY: HAB	PROJECT NO.: 39743438	FIGURE NO.:	
CHECKED BY: JML	SCALE: NTS	4	
APPROVED BY: MMW	DATE: 4/11		

PLOTTED: 04/11/11 4:02PM BY:DENNIS_BURNHEIMER
LAST SAVED: 04/11/11 4:02PM BY:DENNIS_BURNHEIMER
DRAWING: T:\ACAD-PROJECT\BERGELET INV-WORCESTER MA\PLANS\CAULK-CONCRETE_SAMPLES-LEVEL-4.DWG [SECOND LEVEL GARAGE]



LEGEND

- ● WCP-###(##) CAULK SAMPLE LOCATION (TOTAL PCB CONCENTRATION IN mg/kg)
- ○ WCP-###(##) CAULK SAMPLE LOCATION WHERE ADJACENT CONCRETE SAMPLES WERE COLLECTED (TOTAL PCB CONCENTRATION IN mg/kg)

CITYSQUARE DEVELOPMENT CO., LLC

CITY SQUARE WORCESTER COMMONS
FRONT STREET
WORCESTER MASSACHUSETTS

CAULK AND CONCRETE
SAMPLE LOCATIONS
LEVEL 5

URS
5 Industrial Way
Salem, New Hampshire 03079
TEL: (603) 893-0616
FAX: (603) 893-6240
http://www.urscorp.com

DRAWN BY: HAB	PROJECT NO.: 39743438	FIGURE NO.:	
CHECKED BY: JML	SCALE: NTS	5	
APPROVED BY: MMW	DATE: 4/11		

PLOTTED: 04/11/11 4:10PM BY:DENNIS_BURNHEIMER
LAST SAVED: 04/11/11 4:09PM BY:DENNIS_BURNHEIMER
DRAWING: T:\ACAD-PROJECT\BERKELEY INV-WORCESTER MA\PLANS\CAULK-CONCRETE_SAMPLES-LEVEL-5.DWG [THIRD LEVEL GARAGE]

TABLES

Table 1
Garage Joint Caulk and Adjacent Concrete Sample Results (mg/kg)
Former Worcester Commons Mall
City Square, Worcester, Massachusetts

LOCATION ID	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Floor	Area	Additional Details
WCP-037	ND	**100**	ND	ND	ND	**100**	1	A	Expansion joint (thin), street side of garage
WCP-038	ND	**35**	ND	ND	ND	**35**	1	B	Expansion joint (thin), bottom of ramp up to floor 2 on street side of garage
WCP-062	ND	**56**	ND	ND	ND	**56**	1	C	Expansion joint (thin), center aisle of garage, Section B
WCP-069	ND	**2.9**	ND	ND	ND	**2.9**	1	A	Floor/wall joint on street side of garage
WCP-039	ND	**1.8**	ND	ND	ND	**1.8**	2	A	Crack fill, north side of garage "office", street side of garage
WCP-030	**1.88**	ND	ND	ND	ND	**1.88**	2	A/B	Section E
WCP-040	ND	**2.4**	ND	ND	ND	**2.4**	2	B	Crack fill, Center aisle of garage, Section E
WCP-041	ND	**14**	ND	ND	ND	**14**	2	B	Expansion joint (wide), ramp from level 1 up to level 2, Section A
WCP-DUP-04	ND	**14**	ND	ND	ND	**14**	2	B	Duplicate of WCP-041
WCP-042	ND	**27**	ND	ND	ND	**27**	2	B	Expansion joint (thin), Section F, on ramp from level 2 up to level 3, street side of garage
WCP-027	ND	**2.03**	ND	ND	ND	**2.03**	2	C	Crack fill
WCP-028	ND	**5.66**	**2.98**	ND	ND	**8.64**	2	C	floor
WCP-063	ND	**5.1**	ND	ND	ND	**5.1**	2	C	Crack fill, ramp from level 1 to level 2 on street side of garage, Section F
WCP-064	ND	**2.3**	ND	ND	ND	**2.3**	2	C	Expansion joint (wide), "wedge" shaped, near top of ramp to from level 1 to level 2, street side of garage
WCP-065	ND	**2.1**	ND	ND	ND	**2.1**	2	C	Expansion joint (wide), flat rubber-like caulk, same expansion joint as WCP-064, but in aisle on mall side of garage, Section D
WCP-075	ND	**1.5**	ND	ND	ND	**1.5**	2	B	Crack fill, center aisle of garage
WCP-076	ND	**2.1**	ND	ND	ND	**2.1**	2	B	Crack fill, mall side of garage
WCP-068	ND	**ND**	ND	ND	ND	ND	2	C	Crack fill between columns
WCP-025	ND	**8.64**	**2.61**	ND	ND	**11.25**	3	B	Section G, Expansion joint (thin)
DUP-003	ND	**7.22**	ND	ND	ND	**7.22**	3	B	Duplicate of WCP-025
WCP-025-001	ND	ND	ND	ND	ND	ND	3	B	Concrete adjacent to caulk sample
WCP-043	ND	ND	ND	ND	31000	**31000**	3	A	White caulk around base of column, under duct tape, Section A
WCP-044	ND	**24**	ND	ND	ND	**24**	3	B	Expansion joint (thin); ramp up from level 3 to level 4, mall side of garage, Section G
WCP-045	ND	**37**	ND	ND	ND	**37**	3	B	Expansion joint (thin), Ramp from level 3 to level 4, mall side of garage, Section G
WCP-047	ND	**35**	ND	ND	ND	**35**	3	B	Expansion joint (thin), bottom of ramp from level 3 to level 4, street side of garage, Section I
WCP-026	ND	**2.24**	ND	ND	ND	**2.24**	3	C	Expansion joint
WCP-066	ND	**5.3**	ND	ND	ND	**5.3**	3	C	Crack fill, street side of garage
WCP-067	ND	**1.5**	ND	ND	ND	**1.5**	3	C	Crack fill, center aisle of garage, Section H
WCP-073	ND	**ND**	1.7	ND	ND	**1.7**	3	B	Crack fill, center aisle of garage
WCP-073/DUP	ND	**ND**	1.7	ND	ND	**1.7**	3	B	Duplicate of WCP-073
WCP-074	ND	**ND**	2.5	ND	ND	**2.5**	3	B	Crack fill, Center Aisle of garage

Table 1
Garage Joint Caulk and Adjacent Concrete Sample Results (mg/kg)
Former Worcester Commons Mall
City Square, Worcester, Massachusetts

LOCATION ID	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Floor	Area	Additional Details
WCP-022	ND	**2.05**	**0.67**	ND	ND	**2.72**	4	A	P42 C-D, Expansion joint (thin)
WCP-022-001	ND	ND	ND	ND	ND	ND	4	A	concrete adjacent to caulk sample
WCP-020	ND	ND	ND	ND	ND	ND	4	B	P69 A-B
WCP-021	ND	**1.18**	ND	ND	ND	**1.18**	4	B	P52 C-B, Expansion joint (thin)
WCP-046	ND	**4.3**	ND	ND	ND	**4.3**	4	B	Crack fill, Center aisle of garage, Section K
WCP-017	ND	**1.88**	**1.09**	ND	ND	**2.97**	4	C	P98, C-D, floor
WCP-018	ND	**66.00**	ND	ND	ND	**66.00**	4	C	P108, B-C, floor, Expansion joint (wide)
DUP-002	**12.7**	ND	ND	ND	ND	**12.70**	4	C	Duplicate of WCP-018
WCP-018-001	ND	ND	ND	ND	ND	ND	4	C	concrete adjacent to caulk sample
WCP-019	ND	ND	ND	ND	ND	ND	4	C	P125, A, near elevator
WCP-052	ND	**260**	ND	ND	ND	**260**	4	C	Expansion joint (wide), Confirmatory sample of location (same location) as WCP-018
WCP-DUP-06	ND	**110**	ND	ND	ND	**110**	4	C	Duplicate of WCP-052
WCP-053	ND	**5.9**	ND	ND	ND	**5.9**	4	C	Expansion joint (wide), approximately 1.5 feet from WCP-052, closer toward the mall side of garage
WCP-054	ND	ND	**28**	ND	ND	**28**	4	C	Expansion joint (wide), approximately 25 feet from WCP-052, closer toward the street side of the garage
WCP-055	ND	**43**	ND	ND	ND	**43**	4	C	Expansion joint (thin), 40 feet "south" of WCP-052, at the next expansion joint
WCP-056	ND	**31**	ND	ND	ND	**31**	4	C	Expansion joint (thin), 19 feet north of WCP-052, at the next expansion joint
WCP-057	ND	**3.9**	ND	ND	ND	**3.9**	4	C	Expansion joint (wide), same expansion joint as WCP-052, in aisle closest to the mall
WCP-072	ND	**ND**	6.8	ND	ND	**6.8**	4	B	Crack fill, mall side of garage
WCP-077	ND	**4.4**	ND	ND	ND	**4.4**	4	B	Crack fill, center aisle of garage
WCP-009	ND	**2.35**	**2.48**	ND	ND	**4.83**	5	A	P44, floor, Crack fill
WCP-009A	NT	NT	NT	NT	NT	**NT**	5	A	**TCLP Total PCBs: <1.0 ug/L**
WCP-010	ND	**19.60**	ND	ND	ND	**19.60**	5	A	P46, floor, Expansion joint (thin)
WCP-010-001	ND	ND	ND	ND	ND	ND	5	A	concrete adjacent to caulk sample
WCP-011	ND	**5.92**	**4.07**	ND	ND	**9.99**	5	A	P46, C-D, floor
WCP-049	ND	**34**	ND	ND	ND	**34**	5	A	Expansion joint (thin), Section M, mall side of garage
WCP-012	ND	ND	ND	ND	ND	ND	5	B	P52, floor
WCP-013	ND	**18.80**	**15.50**	ND	ND	**34.30**	5	B	P75-P78, Expansion joint, parallel to length of garage
WCP-048	ND	**32**	ND	ND	ND	**32**	5	B	Expansion joint (thin), Center aisle
WCP-DUP-05	ND	**240**	ND	ND	ND	**240**	5	B	Duplicate of WCP-048
WCP-050	ND	**23**	ND	ND	ND	**23**	5	B	Expansion joint (thin), Section M, mall side of garage
WCP-051	ND	ND	ND	ND	ND	ND	5	B	Expansion joint (thin), Section), street side of garage
WCP-058	ND	ND	**19**	ND	ND	**19**	5	B	Expansion joint (thin), collected 37 feet "north" of WCP-014, Section N, street side of garage

Table 1
Garage Joint Caulk and Adjacent Concrete Sample Results (mg/kg)
Former Worcester Commons Mall
City Square, Worcester, Massachusetts

LOCATION ID	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Floor	Area	Additional Details
WCP-014	ND	**17.10**	ND	ND	ND	**17.10**	5	C	P82, loop detection joint
WCP-014-001	ND	ND	ND	ND	ND	ND	5	C	concrete adjacent to caulk sample
WCP-015	ND	**3.25**	ND	ND	ND	**3.25**	5	C	P109
WCP-016	ND	**22.60**	ND	ND	ND	**22.60**	5	C	P120, C-D, floor, Expansion joint (thin)
WCP-016-001	ND	ND	ND	ND	ND	ND	5	C	concrete adjacent to caulk sample
WCP-059	ND	**3.6**	ND	ND	ND	**3.6**	5	C	Crack fill, collected 31 feet "south" of WCP-014, street side of garage
WCP-060	ND	**50**	ND	ND	ND	**50**	5	C	Expansion joint (thin), collected 57 feet "north" of WCP-016 in next expansion joint, Section O, street side of garage
WCP-061	ND	**42**	ND	ND	ND	**42**	5	C	Expansion joint (thin), collect from same expansion joint, closer to center aisle of garage because there is a lack of expansion joints south with enough caulk present to sample
WCP-070	ND	ND	**1.0**	ND	ND	**1.0**	5	B	Crack fill, street side of garage
WCP-071	ND	ND	**4.4**	ND	ND	**4.4**	5	B	Crack fill, street side of garage

Notes:
Only detected Aroclors are shown
Samples labeled WCP-001 through WCP-036 and DUP-001 through DUP-003 were collected on **August 6, 2010**
All samples Labled WCP-###-001 were collected on September 20, 2010 and are analysis for concrete samples collected adjacent to the caulk sample in the row above.
Samples labeled WCP-037 through WCP-067 and WCP-DUP-04 through WCP-DUP-06 were collected on **February 17 and 18, 2011.**
Samples Labeled WCP-068 and WCP-069 were collected on **March 3, 2011**.
Samples labeled WCP-070 through WCP-077, WCP-073/DUP and WCP-009A were collected on **March 15, 2011.**
Results are in mg/kg
BOLD and highlighted results indicate PCB concentration >50 mg/kg
Green highlighted samples represent crack filler, a different material than the caulk in the expansion joints
ND: Below laboratory reporting limits for the sample
NT - not tested

Appendix A

Laboratory Reports

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

February 21, 2011

Ben Grigas
URS - New Hampshire
5 Industrial Way
Salem, NH 03079

Project Location: Worcester Commons Garage
Client Job Number:
Project Number: 39743438
Laboratory Work Order Number: 11B0383

Enclosed are results of analyses for samples received by the laboratory on February 17, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

URS - New Hampshire
5 Industrial Way
Salem, NH 03079
ATTN: Ben Grigas

REPORT DATE: 2/21/2011

PURCHASE ORDER NUMBER: 242134

PROJECT NUMBER: 39743438

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11B0383

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Worcester Commons Garage

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WCP-037	11B0383-01	Caulk		SW-846 8082	
WCP-038	11B0383-02	Caulk		SW-846 8082	
WCP-039	11B0383-03	Caulk		SW-846 8082	
WCP-040	11B0383-04	Caulk		SW-846 8082	
WCP-041	11B0383-05	Caulk		SW-846 8082	
WCP-042	11B0383-06	Caulk		SW-846 8082	
WCP-043	11B0383-07	Caulk		SW-846 8082	
WCP-044	11B0383-08	Caulk		SW-846 8082	
WCP-045	11B0383-09	Caulk		SW-846 8082	
WCP-046	11B0383-10	Caulk		SW-846 8082	
WCP-047	11B0383-11	Caulk		SW-846 8082	
WCP-048	11B0383-12	Caulk		SW-846 8082	
WCP-049	11B0383-13	Caulk		SW-846 8082	
WCP-050	11B0383-14	Caulk		SW-846 8082	
WCP-051	11B0383-15	Caulk		SW-846 8082	
WCP-052	11B0383-16	Caulk		SW-846 8082	
WCP-053	11B0383-17	Caulk		SW-846 8082	
WCP-054	11B0383-18	Caulk		SW-846 8082	
WCP-055	11B0383-19	Caulk		SW-846 8082	
WCP-056	11B0383-20	Caulk		SW-846 8082	
WCP-DUP-04	11B0383-21	Caulk		SW-846 8082	
WCP-DUP-05	11B0383-22	Caulk		SW-846 8082	
WCP-DUP-06	11B0383-23	Caulk		SW-846 8082	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082

Qualifications:

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

11B0383-01[WCP-037], 11B0383-02[WCP-038], 11B0383-05[WCP-041], 11B0383-06[WCP-042], 11B0383-07[WCP-043], 11B0383-08[WCP-044], 11B0383-09[WCP-045], 11B0383-11[WCP-047], 11B0383-12[WCP-048], 11B0383-13[WCP-049], 11B0383-14[WCP-050], 11B0383-16[WCP-052], 11B0383-18[WCP-054], 11B0383-19[WCP-055], 11B0383-20[WCP-056], 11B0383-21[WCP-DUP-04], 11B0383-22[WCP-DUP-05], 11B0383-23[WCP-DUP-06]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage | Sample Description: | Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-037 | Sampled: 2/17/2011 10:00

Sample ID: 11B0383-01

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:21	JMB
Aroclor-1221 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:21	JMB
Aroclor-1232 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:21	JMB
Aroclor-1242 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:21	JMB
Aroclor-1248 [2]	100	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:21	JMB
Aroclor-1254 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:21	JMB
Aroclor-1260 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:21	JMB
Aroclor-1262 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:21	JMB
Aroclor-1268 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:21	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/19/11 13:21
Decachlorobiphenyl [2]	*	30-150	S-01	2/19/11 13:21
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/19/11 13:21
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/19/11 13:21

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage
Sample Description:
Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-038
Sampled: 2/17/2011 10:13

Sample ID: 11B0383-02

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:36	JMB
Aroclor-1221 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:36	JMB
Aroclor-1232 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:36	JMB
Aroclor-1242 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:36	JMB
Aroclor-1248 [2]	35	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:36	JMB
Aroclor-1254 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:36	JMB
Aroclor-1260 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:36	JMB
Aroclor-1262 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:36	JMB
Aroclor-1268 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 13:36	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/19/11 13:36
Decachlorobiphenyl [2]	*	30-150	S-01	2/19/11 13:36
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/19/11 13:36
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/19/11 13:36

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Project Location: Worcester Commons Garage | Sample Description: | Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-039 | Sampled: 2/17/2011 10:37

Sample ID: 11B0383-03

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 7:52	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 7:52	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 7:52	JMB
Aroclor-1242 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 7:52	JMB
Aroclor-1248 [2]	1.8	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 7:52	JMB
Aroclor-1254 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 7:52	JMB
Aroclor-1260 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 7:52	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 7:52	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 7:52	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	109	30-150		2/20/11 7:52
Decachlorobiphenyl [2]	118	30-150		2/20/11 7:52
Tetrachloro-m-xylene [1]	88.4	30-150		2/20/11 7:52
Tetrachloro-m-xylene [2]	72.6	30-150		2/20/11 7:52

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Project Location: Worcester Commons Garage
Sample Description:
Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-040
Sampled: 2/17/2011 10:55

Sample ID: 11B0383-04

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:14	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:14	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:14	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:14	JMB
Aroclor-1248 [2]	2.4	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:14	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:14	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:14	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:14	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	110	30-150		2/20/11 10:14
Decachlorobiphenyl [2]	92.5	30-150		2/20/11 10:14
Tetrachloro-m-xylene [1]	115	30-150		2/20/11 10:14
Tetrachloro-m-xylene [2]	96.7	30-150		2/20/11 10:14

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Project Location: Worcester Commons Garage | Sample Description: | Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-041 | Sampled: 2/17/2011 11:14

Sample ID: 11B0383-05

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:19	JMB
Aroclor-1221 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:19	JMB
Aroclor-1232 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:19	JMB
Aroclor-1242 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:19	JMB
Aroclor-1248 [1]	14	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:19	JMB
Aroclor-1254 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:19	JMB
Aroclor-1260 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:19	JMB
Aroclor-1262 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:19	JMB
Aroclor-1268 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:19	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/19/11 14:19
Decachlorobiphenyl [2]	*	30-150	S-01	2/19/11 14:19
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/19/11 14:19
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/19/11 14:19

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Project Location: Worcester Commons Garage | Sample Description: | Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-042 | Sampled: 2/17/2011 11:28

Sample ID: 11B0383-06

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.4	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:34	JMB
Aroclor-1221 [1]	ND	9.4	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:34	JMB
Aroclor-1232 [1]	ND	9.4	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:34	JMB
Aroclor-1242 [1]	ND	9.4	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:34	JMB
Aroclor-1248 [2]	27	9.4	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:34	JMB
Aroclor-1254 [1]	ND	9.4	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:34	JMB
Aroclor-1260 [1]	ND	9.4	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:34	JMB
Aroclor-1262 [1]	ND	9.4	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:34	JMB
Aroclor-1268 [1]	ND	9.4	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 14:34	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/19/11 14:34
Decachlorobiphenyl [2]	*	30-150	S-01	2/19/11 14:34
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/19/11 14:34
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/19/11 14:34

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Project Location: Worcester Commons Garage | Sample Description: | Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-043 | Sampled: 2/17/2011 11:47

Sample ID: 11B0383-07

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1900	mg/Kg	10000		SW-846 8082	2/18/11	2/20/11 8:19	JMB
Aroclor-1221 [1]	ND	1900	mg/Kg	10000		SW-846 8082	2/18/11	2/20/11 8:19	JMB
Aroclor-1232 [1]	ND	1900	mg/Kg	10000		SW-846 8082	2/18/11	2/20/11 8:19	JMB
Aroclor-1242 [1]	ND	1900	mg/Kg	10000		SW-846 8082	2/18/11	2/20/11 8:19	JMB
Aroclor-1248 [1]	ND	1900	mg/Kg	10000		SW-846 8082	2/18/11	2/20/11 8:19	JMB
Aroclor-1254 [1]	ND	1900	mg/Kg	10000		SW-846 8082	2/18/11	2/20/11 8:19	JMB
Aroclor-1260 [1]	ND	1900	mg/Kg	10000		SW-846 8082	2/18/11	2/20/11 8:19	JMB
Aroclor-1262 [1]	ND	1900	mg/Kg	10000		SW-846 8082	2/18/11	2/20/11 8:19	JMB
Aroclor-1268 [2]	31000	1900	mg/Kg	10000		SW-846 8082	2/18/11	2/20/11 8:19	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/20/11 8:19
Decachlorobiphenyl [2]	*	30-150	S-01	2/20/11 8:19
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/20/11 8:19
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/20/11 8:19

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Project Location: Worcester Commons Garage | Sample Description: | Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-044 | Sampled: 2/17/2011 12:52

Sample ID: 11B0383-08

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 8:33	JMB
Aroclor-1221 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 8:33	JMB
Aroclor-1232 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 8:33	JMB
Aroclor-1242 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 8:33	JMB
Aroclor-1248 [2]	24	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 8:33	JMB
Aroclor-1254 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 8:33	JMB
Aroclor-1260 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 8:33	JMB
Aroclor-1262 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 8:33	JMB
Aroclor-1268 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 8:33	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/20/11 8:33
Decachlorobiphenyl [2]	*	30-150	S-01	2/20/11 8:33
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/20/11 8:33
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/20/11 8:33

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Project Location: Worcester Commons Garage
Sample Description:
Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-045
Sampled: 2/17/2011 12:56

Sample ID: 11B0383-09

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:17	JMB
Aroclor-1221 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:17	JMB
Aroclor-1232 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:17	JMB
Aroclor-1242 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:17	JMB
Aroclor-1248 [1]	37	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:17	JMB
Aroclor-1254 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:17	JMB
Aroclor-1260 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:17	JMB
Aroclor-1262 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:17	JMB
Aroclor-1268 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:17	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/19/11 15:17
Decachlorobiphenyl [2]	*	30-150	S-01	2/19/11 15:17
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/19/11 15:17
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/19/11 15:17

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Project Location: Worcester Commons Garage
Sample Description:
Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-046
Sampled: 2/17/2011 13:10

Sample ID: 11B0383-10

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 8:48	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 8:48	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 8:48	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 8:48	JMB
Aroclor-1248 [2]	4.3	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 8:48	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 8:48	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 8:48	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 8:48	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 8:48	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	109	30-150		2/20/11 8:48
Decachlorobiphenyl [2]	98.9	30-150		2/20/11 8:48
Tetrachloro-m-xylene [1]	110	30-150		2/20/11 8:48
Tetrachloro-m-xylene [2]	97.3	30-150		2/20/11 8:48

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Project Location: Worcester Commons Garage
Sample Description:
Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-047
Sampled: 2/17/2011 13:20

Sample ID: 11B0383-11

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:45	JMB
Aroclor-1221 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:45	JMB
Aroclor-1232 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:45	JMB
Aroclor-1242 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:45	JMB
Aroclor-1248 [2]	35	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:45	JMB
Aroclor-1254 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:45	JMB
Aroclor-1260 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:45	JMB
Aroclor-1262 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:45	JMB
Aroclor-1268 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 15:45	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/19/11 15:45
Decachlorobiphenyl [2]	*	30-150	S-01	2/19/11 15:45
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/19/11 15:45
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/19/11 15:45

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Project Location: Worcester Commons Garage | Sample Description: | Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-048 | Sampled: 2/17/2011 13:46

Sample ID: 11B0383-12

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:11	JMB
Aroclor-1221 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:11	JMB
Aroclor-1232 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:11	JMB
Aroclor-1242 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:11	JMB
Aroclor-1248 [1]	32	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:11	JMB
Aroclor-1254 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:11	JMB
Aroclor-1260 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:11	JMB
Aroclor-1262 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:11	JMB
Aroclor-1268 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:11	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/19/11 17:11
Decachlorobiphenyl [2]	*	30-150	S-01	2/19/11 17:11
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/19/11 17:11
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/19/11 17:11

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage | Sample Description: | Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-049 | Sampled: 2/17/2011 14:00

Sample ID: 11B0383-13

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:26	JMB
Aroclor-1221 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:26	JMB
Aroclor-1232 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:26	JMB
Aroclor-1242 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:26	JMB
Aroclor-1248 [2]	34	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:26	JMB
Aroclor-1254 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:26	JMB
Aroclor-1260 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:26	JMB
Aroclor-1262 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:26	JMB
Aroclor-1268 [1]	ND	9.9	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/19/11 17:26
Decachlorobiphenyl [2]	*	30-150	S-01	2/19/11 17:26
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/19/11 17:26
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/19/11 17:26

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Project Location: Worcester Commons Garage | Sample Description: | Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-050 | Sampled: 2/17/2011 14:10

Sample ID: 11B0383-14

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:40	JMB
Aroclor-1221 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:40	JMB
Aroclor-1232 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:40	JMB
Aroclor-1242 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:40	JMB
Aroclor-1248 [1]	23	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:40	JMB
Aroclor-1254 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:40	JMB
Aroclor-1260 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:40	JMB
Aroclor-1262 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:40	JMB
Aroclor-1268 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 17:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/19/11 17:40
Decachlorobiphenyl [2]	*	30-150	S-01	2/19/11 17:40
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/19/11 17:40
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/19/11 17:40

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Project Location: Worcester Commons Garage
Sample Description:
Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-051
Sampled: 2/17/2011 14:36

Sample ID: 11B0383-15

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:02	JMB
Aroclor-1221 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:02	JMB
Aroclor-1232 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:02	JMB
Aroclor-1242 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:02	JMB
Aroclor-1248 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:02	JMB
Aroclor-1254 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:02	JMB
Aroclor-1260 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:02	JMB
Aroclor-1262 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:02	JMB
Aroclor-1268 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:02	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	132	30-150		2/20/11 9:02
Decachlorobiphenyl [2]	105	30-150		2/20/11 9:02
Tetrachloro-m-xylene [1]	110	30-150		2/20/11 9:02
Tetrachloro-m-xylene [2]	96.8	30-150		2/20/11 9:02

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Project Location: Worcester Commons Garage
Sample Description:
Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-052
Sampled: 2/17/2011 15:24

Sample ID: 11B0383-16

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	19	mg/Kg	100		SW-846 8082	2/18/11	2/20/11 9:16	JMB
Aroclor-1221 [1]	ND	19	mg/Kg	100		SW-846 8082	2/18/11	2/20/11 9:16	JMB
Aroclor-1232 [1]	ND	19	mg/Kg	100		SW-846 8082	2/18/11	2/20/11 9:16	JMB
Aroclor-1242 [1]	ND	19	mg/Kg	100		SW-846 8082	2/18/11	2/20/11 9:16	JMB
Aroclor-1248 [2]	260	19	mg/Kg	100		SW-846 8082	2/18/11	2/20/11 9:16	JMB
Aroclor-1254 [1]	ND	19	mg/Kg	100		SW-846 8082	2/18/11	2/20/11 9:16	JMB
Aroclor-1260 [1]	ND	19	mg/Kg	100		SW-846 8082	2/18/11	2/20/11 9:16	JMB
Aroclor-1262 [1]	ND	19	mg/Kg	100		SW-846 8082	2/18/11	2/20/11 9:16	JMB
Aroclor-1268 [1]	ND	19	mg/Kg	100		SW-846 8082	2/18/11	2/20/11 9:16	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/20/11 9:16
Decachlorobiphenyl [2]	*	30-150	S-01	2/20/11 9:16
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/20/11 9:16
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/20/11 9:16

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Project Location: Worcester Commons Garage | Sample Description: | Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-053 | Sampled: 2/17/2011 15:30

Sample ID: 11B0383-17

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:31	JMB
Aroclor-1221 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:31	JMB
Aroclor-1232 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:31	JMB
Aroclor-1242 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:31	JMB
Aroclor-1248 [2]	5.9	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:31	JMB
Aroclor-1254 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:31	JMB
Aroclor-1260 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:31	JMB
Aroclor-1262 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:31	JMB
Aroclor-1268 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 9:31	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	109	30-150		2/20/11 9:31
Decachlorobiphenyl [2]	85.0	30-150		2/20/11 9:31
Tetrachloro-m-xylene [1]	102	30-150		2/20/11 9:31
Tetrachloro-m-xylene [2]	88.0	30-150		2/20/11 9:31

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Project Location: Worcester Commons Garage | Sample Description: | Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-054 | Sampled: 2/17/2011 15:33

Sample ID: 11B0383-18

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:38	JMB
Aroclor-1221 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:38	JMB
Aroclor-1232 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:38	JMB
Aroclor-1242 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:38	JMB
Aroclor-1248 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:38	JMB
Aroclor-1254 [2]	28	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:38	JMB
Aroclor-1260 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:38	JMB
Aroclor-1262 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:38	JMB
Aroclor-1268 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:38	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/19/11 18:38
Decachlorobiphenyl [2]	*	30-150	S-01	2/19/11 18:38
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/19/11 18:38
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/19/11 18:38

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Project Location: Worcester Commons Garage
Sample Description:
Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-055
Sampled: 2/17/2011 15:42

Sample ID: 11B0383-19

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:53	JMB
Aroclor-1221 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:53	JMB
Aroclor-1232 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:53	JMB
Aroclor-1242 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:53	JMB
Aroclor-1248 [2]	43	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:53	JMB
Aroclor-1254 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:53	JMB
Aroclor-1260 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:53	JMB
Aroclor-1262 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:53	JMB
Aroclor-1268 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 18:53	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/19/11 18:53
Decachlorobiphenyl [2]	*	30-150	S-01	2/19/11 18:53
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/19/11 18:53
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/19/11 18:53

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Project Location: Worcester Commons Garage
Sample Description:
Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-056
Sampled: 2/17/2011 15:50

Sample ID: 11B0383-20

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:07	JMB
Aroclor-1221 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:07	JMB
Aroclor-1232 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:07	JMB
Aroclor-1242 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:07	JMB
Aroclor-1248 [2]	31	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:07	JMB
Aroclor-1254 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:07	JMB
Aroclor-1260 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:07	JMB
Aroclor-1262 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:07	JMB
Aroclor-1268 [1]	ND	9.5	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/19/11 19:07
Decachlorobiphenyl [2]	*	30-150	S-01	2/19/11 19:07
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/19/11 19:07
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/19/11 19:07

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Project Location: Worcester Commons Garage | Sample Description: | Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-DUP-04 | Sampled: 2/17/2011 11:20

Sample ID: 11B0383-21

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:22	JMB
Aroclor-1221 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:22	JMB
Aroclor-1232 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:22	JMB
Aroclor-1242 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:22	JMB
Aroclor-1248 [1]	14	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:22	JMB
Aroclor-1254 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:22	JMB
Aroclor-1260 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:22	JMB
Aroclor-1262 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:22	JMB
Aroclor-1268 [1]	ND	9.8	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:22	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/19/11 19:22
Decachlorobiphenyl [2]	*	30-150	S-01	2/19/11 19:22
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/19/11 19:22
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/19/11 19:22

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Project Location: Worcester Commons Garage | Sample Description: | Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-DUP-05 | Sampled: 2/17/2011 13:51

Sample ID: 11B0383-22

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:37	JMB
Aroclor-1221 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:37	JMB
Aroclor-1232 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:37	JMB
Aroclor-1242 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:37	JMB
Aroclor-1248 [2]	240	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:37	JMB
Aroclor-1254 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:37	JMB
Aroclor-1260 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:37	JMB
Aroclor-1262 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:37	JMB
Aroclor-1268 [1]	ND	9.6	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:37	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/19/11 19:37
Decachlorobiphenyl [2]	*	30-150	S-01	2/19/11 19:37
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/19/11 19:37
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/19/11 19:37

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Project Location: Worcester Commons Garage | Sample Description: | Work Order: 11B0383

Date Received: 2/17/2011

Field Sample #: WCP-DUP-06 | Sampled: 2/17/2011 15:29

Sample ID: 11B0383-23

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.7	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:51	JMB
Aroclor-1221 [1]	ND	9.7	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:51	JMB
Aroclor-1232 [1]	ND	9.7	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:51	JMB
Aroclor-1242 [1]	ND	9.7	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:51	JMB
Aroclor-1248 [2]	110	9.7	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:51	JMB
Aroclor-1254 [1]	ND	9.7	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:51	JMB
Aroclor-1260 [1]	ND	9.7	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:51	JMB
Aroclor-1262 [1]	ND	9.7	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:51	JMB
Aroclor-1268 [1]	ND	9.7	mg/Kg	50		SW-846 8082	2/18/11	2/19/11 19:51	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/19/11 19:51
Decachlorobiphenyl [2]	*	30-150	S-01	2/19/11 19:51
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/19/11 19:51
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/19/11 19:51

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11B0383-01 [WCP-037]	B026278	0.504	10.0	02/18/11
11B0383-02 [WCP-038]	B026278	0.525	10.0	02/18/11
11B0383-03 [WCP-039]	B026278	0.527	10.0	02/18/11
11B0383-04 [WCP-040]	B026278	0.505	10.0	02/18/11
11B0383-05 [WCP-041]	B026278	0.522	10.0	02/18/11
11B0383-06 [WCP-042]	B026278	0.530	10.0	02/18/11
11B0383-07 [WCP-043]	B026278	0.518	10.0	02/18/11
11B0383-08 [WCP-044]	B026278	0.508	10.0	02/18/11
11B0383-09 [WCP-045]	B026278	0.509	10.0	02/18/11
11B0383-10 [WCP-046]	B026278	0.505	10.0	02/18/11
11B0383-11 [WCP-047]	B026278	0.519	10.0	02/18/11
11B0383-12 [WCP-048]	B026278	0.506	10.0	02/18/11
11B0383-13 [WCP-049]	B026278	0.507	10.0	02/18/11
11B0383-14 [WCP-050]	B026278	0.525	10.0	02/18/11
11B0383-15 [WCP-051]	B026278	0.510	10.0	02/18/11
11B0383-16 [WCP-052]	B026278	0.530	10.0	02/18/11
11B0383-17 [WCP-053]	B026278	0.510	10.0	02/18/11
11B0383-19 [WCP-055]	B026278	0.520	10.0	02/18/11
11B0383-20 [WCP-056]	B026278	0.528	10.0	02/18/11
11B0383-21 [WCP-DUP-04]	B026278	0.508	10.0	02/18/11

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11B0383-18 [WCP-054]	B026279	0.523	10.0	02/18/11
11B0383-22 [WCP-DUP-05]	B026279	0.520	10.0	02/18/11
11B0383-23 [WCP-DUP-06]	B026279	0.518	10.0	02/18/11

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B026278 - SW-846 3540C										
Blank (B026278-BLK1)				Prepared: 02/18/11 Analyzed: 02/19/11						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*3.98*		mg/Kg	4.00		99.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.08*		mg/Kg	4.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	*3.90*		mg/Kg	4.00		97.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.68*		mg/Kg	4.00		91.9	30-150			
LCS (B026278-BS1)				Prepared: 02/18/11 Analyzed: 02/19/11						
Aroclor-1016	1.1	0.20	mg/Kg	1.00		112	40-140			
Aroclor-1016 [2C]	1.1	0.20	mg/Kg	1.00		109	40-140			
Aroclor-1260	1.2	0.20	mg/Kg	1.00		122	40-140			
Aroclor-1260 [2C]	1.2	0.20	mg/Kg	1.00		121	40-140			
Surrogate: Decachlorobiphenyl	*4.11*		mg/Kg	4.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.29*		mg/Kg	4.00		107	30-150			
Surrogate: Tetrachloro-m-xylene	*4.03*		mg/Kg	4.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.71*		mg/Kg	4.00		92.7	30-150			
LCS Dup (B026278-BSD1)				Prepared: 02/18/11 Analyzed: 02/19/11						
Aroclor-1016	1.2	0.20	mg/Kg	1.00		123	40-140	9.25	30	
Aroclor-1016 [2C]	1.1	0.20	mg/Kg	1.00		111	40-140	1.75	30	
Aroclor-1260	1.2	0.20	mg/Kg	1.00		124	40-140	2.08	30	
Aroclor-1260 [2C]	1.2	0.20	mg/Kg	1.00		121	40-140	0.432	30	
Surrogate: Decachlorobiphenyl	*4.18*		mg/Kg	4.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.30*		mg/Kg	4.00		108	30-150			
Surrogate: Tetrachloro-m-xylene	*4.04*		mg/Kg	4.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.78*		mg/Kg	4.00		94.4	30-150			

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B026279 - SW-846 3540C										
Blank (B026279-BLK1)				Prepared: 02/18/11 Analyzed: 02/19/11						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*4.10*		mg/Kg	4.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.22*		mg/Kg	4.00		106	30-150			
Surrogate: Tetrachloro-m-xylene	*4.25*		mg/Kg	4.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.89*		mg/Kg	4.00		97.3	30-150			
LCS (B026279-BS1)				Prepared: 02/18/11 Analyzed: 02/19/11						
Aroclor-1016	1.1	0.20	mg/Kg	1.00		114	40-140			
Aroclor-1016 [2C]	1.1	0.20	mg/Kg	1.00		113	40-140			
Aroclor-1260	1.3	0.20	mg/Kg	1.00		126	40-140			
Aroclor-1260 [2C]	1.2	0.20	mg/Kg	1.00		116	40-140			
Surrogate: Decachlorobiphenyl	*4.20*		mg/Kg	4.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.06*		mg/Kg	4.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	*3.94*		mg/Kg	4.00		98.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.69*		mg/Kg	4.00		92.3	30-150			
LCS Dup (B026279-BSD1)				Prepared: 02/18/11 Analyzed: 02/19/11						
Aroclor-1016	1.3	0.20	mg/Kg	1.00		129	40-140	12.3	30	
Aroclor-1016 [2C]	1.1	0.20	mg/Kg	1.00		114	40-140	1.19	30	
Aroclor-1260	1.2	0.20	mg/Kg	1.00		119	40-140	5.52	30	
Aroclor-1260 [2C]	1.1	0.20	mg/Kg	1.00		115	40-140	1.58	30	
Surrogate: Decachlorobiphenyl	*4.10*		mg/Kg	4.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.15*		mg/Kg	4.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	*4.19*		mg/Kg	4.00		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.84*		mg/Kg	4.00		96.0	30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

11B0383

39 Spruce Street
East longmeadow, MA 01028

Company Name: URS Corporation
Address: 5 Industrial Way
Salem, NH 03079
Attention: Marilyn Wade
Project Location: Worcester Common Garage
Sampled By: R. Lavery / J. LeClair

Telephone: 603-893-0616
Project # 39743438
Client PO#

DATA DELIVERY (check all that apply)
O FAX ~~O EMAIL~~ ~~O WEBSITE~~
Fax #
Email: marilyn-wade@urscorp.com
Format: X PDF O EXCEL O GIS
O OTHER
O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
O yes _____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/~~Time~~	Composite	Grab	*Matrix Code	Conc Code	PCBs 8082										# of Containers	** Preservation	***Container Code
																		10		A
-01	WCP-037	1000	2/17/11		X	O	M-L	X												
-02	WCP-038	1013			X															
-03	WCP-039	1037																		
-04	WCP-040	1055																		
-05	WCP-041	1114																		
-06	WCP-042	1128																		
-07	WCP-043	1147																		
-08	WCP-044	1252																		
-09	WCP-045	1256																		
-10	WCP-046	1310																		

J. LeClair 2/17/11

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other CAULK

Dissolved Metals
O Field Filtered
O Lab to Filter

Relinquished by: (signature)	Date/Time:
J. LeClair	2/17/11 1610
Received by: (signature) Steph Malfas	Date/Time: 2.17.11 1610
Relinquished by: (signature) Steph Malfas	Date/Time: 2.17.11 1730
Received by: (signature) 4.0°	Date/Time: 2/17/11 1730

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☑ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
O MCP Analytical Certification Form Required
O RCP Analysis Certification Form Required
O MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

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Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

11B 0383

Company Name: URS Corp
Address: 5 Industrial Way, Salem, NH 03079
Attention: Marilyn Wade
Project Location: Worcester Commons Garage
Sampled By: R. Lavery, J. LeClair

Telephone: 603-893-0616
Project # 39743938
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ⊙ EMAIL ○ WEBSITE
Fax #
Email:
Format: ⊗ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs 8082	# of Containers	** Preservation	***Container Code
									10		A
-11	WCP-047	1320	2/17/11		X	O	M-L	X			
-12	WCP-048	1346	↓		↓	↓	↓	↓			
-13	WCP-049	1400									
-14	WCP-050	1410									
-15	WCP-051	1436									
-16	WCP-052	1524									
-17	WCP-053	1530									
-18	WCP-054	1533									
-19	WCP-055	1542									
-20	WCP-056	1550	↓		↓	↓	↓	↓			

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other CAULK

Comments:
Sample WCP-054 Rec'd 2-18-11 JMG

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Judith LeClair	2/17/11 1610
Received by: (signature) Steph Malfa	Date/Time: 2-17-11 1610
Relinquished by: (signature) Steph Malfa	Date/Time: 2-17-11 1730
Received by: (signature) 4.0°	Date/Time: 2/17/11 1730

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

11B0383

Page 3 of 3

Company Name: URS Corporation
Address: 5 Industrial Way
Salem, NH 03079
Attention: Marilyn Wade
Project Location: Winchester Commons ~~Quincy~~ Garage
Sampled By: R. Lavoy / J. Le Clair

Telephone: 603-893-0616
Project # 39743438
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #
Email:
Format: ✓ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/~~Time~~	Composite	Grab	*Matrix Code	Conc Code	PCBs										# of Containers / ** Preservation / ***Container Code
								3										# of Containers
																		** Preservation
								A/G										***Container Code
-21	WCP-DUP-04	1120	2/17/11		X	O	M-L	X										
-22	WCP-DUP-05	1351	↓		↓	↓	↓	↓										
-23	WCP-DUP-06	1529	↓		↓	↓	↓	↓										

Judith M. Le Clair 2/17/11

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Judith M. Le Clair	2/17/11 1610
Received by: (signature) Sarah Malfa	Date/Time: 2/17/11 1610
Relinquished by: (signature) Sarah Malfa	Date/Time: 2.17.11 1700
Received by: (signature) 4.0°	Date/Time:

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

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Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other _____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other Caulk

†† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

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con-test ANALYTICAL LABORATORY

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

Sample Receipt Checklist

CLIENT NAME: URS RECEIVED BY: CEC DATE: 2/17/11

1) Was the chain(s) of custody relinquished and signed? Yes No

2) Does the chain agree with the samples? Yes No

If not, explain: Missing WCP-054

3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank 4.0° Temperature °C by Temp gun

5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified Date Time

6) Are there any samples "On Hold"? Yes No Stored where:

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified Date Time

8) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature:

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	15/7
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments: Missing WCP-054 ☆Sample WCP-054 Rec'd 12-18-11 JMG

40 mL vials: # HCl # Methanol

Bisulfate # DI Water

Thiosulfate Unpreserved

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No N/A

Do all samples have the proper Base pH: Yes No N/A

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

February 22, 2011

Ben Grigas
URS - New Hampshire
5 Industrial Way
Salem, NH 03079

Project Location: Worcester Commons Garage
Client Job Number:
Project Number: 39743438.13
Laboratory Work Order Number: 11B0428

Enclosed are results of analyses for samples received by the laboratory on February 18, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

URS - New Hampshire
5 Industrial Way
Salem, NH 03079
ATTN: Ben Grigas

REPORT DATE: 2/22/2011

PURCHASE ORDER NUMBER: 242134

PROJECT NUMBER: 39743438.13

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11B0428

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Worcester Commons Garage

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WCP-057	11B0428-01	Caulk		SW-846 8082	
WCP-058	11B0428-02	Caulk		SW-846 8082	
WCP-059	11B0428-03	Caulk		SW-846 8082	
WCP-060	11B0428-04	Caulk		SW-846 8082	
WCP-061	11B0428-05	Caulk		SW-846 8082	
WCP-062	11B0428-06	Caulk		SW-846 8082	
WCP-063	11B0428-07	Caulk		SW-846 8082	
WCP-064	11B0428-08	Caulk		SW-846 8082	
WCP-065	11B0428-09	Caulk		SW-846 8082	
WCP-066	11B0428-10	Caulk		SW-846 8082	
WCP-067	11B0428-11	Caulk		SW-846 8082	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082

Qualifications:

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

11B0428-04[WCP-060], 11B0428-05[WCP-061], 11B0428-06[WCP-062]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage
Sample Description:
Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-057
Sampled: 2/17/2011 16:43

Sample ID: 11B0428-01

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:21	JMB
Aroclor-1221 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:21	JMB
Aroclor-1232 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:21	JMB
Aroclor-1242 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:21	JMB
Aroclor-1248 [1]	3.9	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:21	JMB
Aroclor-1254 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:21	JMB
Aroclor-1260 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:21	JMB
Aroclor-1262 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:21	JMB
Aroclor-1268 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:21	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	97.2	30-150		2/20/11 13:21
Decachlorobiphenyl [2]	81.1	30-150		2/20/11 13:21
Tetrachloro-m-xylene [1]	102	30-150		2/20/11 13:21
Tetrachloro-m-xylene [2]	88.0	30-150		2/20/11 13:21

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Project Location: Worcester Commons Garage
Sample Description:
Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-058
Sampled: 2/17/2011 16:57

Sample ID: 11B0428-02

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:57	JMB
Aroclor-1221 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:57	JMB
Aroclor-1232 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:57	JMB
Aroclor-1242 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:57	JMB
Aroclor-1248 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:57	JMB
Aroclor-1254 [2]	19	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:57	JMB
Aroclor-1260 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:57	JMB
Aroclor-1262 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:57	JMB
Aroclor-1268 [1]	ND	0.98	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 10:57	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	89.9	30-150		2/20/11 10:57
Decachlorobiphenyl [2]	85.0	30-150		2/20/11 10:57
Tetrachloro-m-xylene [1]	90.3	30-150		2/20/11 10:57
Tetrachloro-m-xylene [2]	74.4	30-150		2/20/11 10:57

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Project Location: Worcester Commons Garage
Sample Description:
Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-059
Sampled: 2/17/2011 17:04

Sample ID: 11B0428-03

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.88	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 11:11	JMB
Aroclor-1221 [1]	ND	0.88	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 11:11	JMB
Aroclor-1232 [1]	ND	0.88	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 11:11	JMB
Aroclor-1242 [1]	ND	0.88	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 11:11	JMB
Aroclor-1248 [1]	3.6	0.88	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 11:11	JMB
Aroclor-1254 [1]	ND	0.88	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 11:11	JMB
Aroclor-1260 [1]	ND	0.88	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 11:11	JMB
Aroclor-1262 [1]	ND	0.88	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 11:11	JMB
Aroclor-1268 [1]	ND	0.88	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 11:11	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	109	30-150		2/20/11 11:11
Decachlorobiphenyl [2]	91.1	30-150		2/20/11 11:11
Tetrachloro-m-xylene [1]	108	30-150		2/20/11 11:11
Tetrachloro-m-xylene [2]	97.1	30-150		2/20/11 11:11

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Project Location: Worcester Commons Garage | Sample Description: | Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-060 | Sampled: 2/17/2011 17:50

Sample ID: 11B0428-04

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	8.9	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:26	JMB
Aroclor-1221 [1]	ND	8.9	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:26	JMB
Aroclor-1232 [1]	ND	8.9	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:26	JMB
Aroclor-1242 [1]	ND	8.9	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:26	JMB
Aroclor-1248 [2]	50	8.9	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:26	JMB
Aroclor-1254 [1]	ND	8.9	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:26	JMB
Aroclor-1260 [1]	ND	8.9	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:26	JMB
Aroclor-1262 [1]	ND	8.9	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:26	JMB
Aroclor-1268 [1]	ND	8.9	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/20/11 11:26
Decachlorobiphenyl [2]	*	30-150	S-01	2/20/11 11:26
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/20/11 11:26
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/20/11 11:26

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Project Location: Worcester Commons Garage
Sample Description:
Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-061
Sampled: 2/17/2011 17:36

Sample ID: 11B0428-05

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.1	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:40	JMB
Aroclor-1221 [1]	ND	9.1	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:40	JMB
Aroclor-1232 [1]	ND	9.1	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:40	JMB
Aroclor-1242 [1]	ND	9.1	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:40	JMB
Aroclor-1248 [2]	42	9.1	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:40	JMB
Aroclor-1254 [1]	ND	9.1	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:40	JMB
Aroclor-1260 [1]	ND	9.1	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:40	JMB
Aroclor-1262 [1]	ND	9.1	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:40	JMB
Aroclor-1268 [1]	ND	9.1	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/20/11 11:40
Decachlorobiphenyl [2]	*	30-150	S-01	2/20/11 11:40
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/20/11 11:40
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/20/11 11:40

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Project Location: Worcester Commons Garage | Sample Description: | Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-062 | Sampled: 2/18/2011 08:05

Sample ID: 11B0428-06

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	8.4	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:54	JMB
Aroclor-1221 [1]	ND	8.4	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:54	JMB
Aroclor-1232 [1]	ND	8.4	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:54	JMB
Aroclor-1242 [1]	ND	8.4	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:54	JMB
Aroclor-1248 [2]	56	8.4	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:54	JMB
Aroclor-1254 [1]	ND	8.4	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:54	JMB
Aroclor-1260 [1]	ND	8.4	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:54	JMB
Aroclor-1262 [1]	ND	8.4	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:54	JMB
Aroclor-1268 [1]	ND	8.4	mg/Kg	50		SW-846 8082	2/18/11	2/20/11 11:54	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	2/20/11 11:54
Decachlorobiphenyl [2]	*	30-150	S-01	2/20/11 11:54
Tetrachloro-m-xylene [1]	*	30-150	S-01	2/20/11 11:54
Tetrachloro-m-xylene [2]	*	30-150	S-01	2/20/11 11:54

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Project Location: Worcester Commons Garage
Sample Description:
Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-063
Sampled: 2/18/2011 08:20

Sample ID: 11B0428-07

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:09	JMB
Aroclor-1221 [1]	ND	0.89	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:09	JMB
Aroclor-1232 [1]	ND	0.89	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:09	JMB
Aroclor-1242 [1]	ND	0.89	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:09	JMB
Aroclor-1248 [1]	5.1	0.89	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:09	JMB
Aroclor-1254 [1]	ND	0.89	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:09	JMB
Aroclor-1260 [1]	ND	0.89	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:09	JMB
Aroclor-1262 [1]	ND	0.89	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:09	JMB
Aroclor-1268 [1]	ND	0.89	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:09	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	107	30-150		2/20/11 12:09
Decachlorobiphenyl [2]	87.8	30-150		2/20/11 12:09
Tetrachloro-m-xylene [1]	108	30-150		2/20/11 12:09
Tetrachloro-m-xylene [2]	94.8	30-150		2/20/11 12:09

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Project Location: Worcester Commons Garage
Sample Description:
Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-064
Sampled: 2/18/2011 08:34

Sample ID: 11B0428-08

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:23	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:23	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:23	JMB
Aroclor-1242 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:23	JMB
Aroclor-1248 [1]	2.3	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:23	JMB
Aroclor-1254 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:23	JMB
Aroclor-1260 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:23	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:23	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:23	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	79.3	30-150		2/20/11 12:23
Decachlorobiphenyl [2]	66.2	30-150		2/20/11 12:23
Tetrachloro-m-xylene [1]	81.1	30-150		2/20/11 12:23
Tetrachloro-m-xylene [2]	69.4	30-150		2/20/11 12:23

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Project Location: Worcester Commons Garage
Sample Description:
Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-065
Sampled: 2/18/2011 08:45

Sample ID: 11B0428-09

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:38	JMB
Aroclor-1221 [1]	ND	0.91	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:38	JMB
Aroclor-1232 [1]	ND	0.91	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:38	JMB
Aroclor-1242 [1]	ND	0.91	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:38	JMB
Aroclor-1248 [2]	2.1	0.91	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:38	JMB
Aroclor-1254 [1]	ND	0.91	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:38	JMB
Aroclor-1260 [1]	ND	0.91	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:38	JMB
Aroclor-1262 [1]	ND	0.91	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:38	JMB
Aroclor-1268 [1]	ND	0.91	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:38	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	87.6	30-150		2/20/11 12:38
Decachlorobiphenyl [2]	112	30-150		2/20/11 12:38
Tetrachloro-m-xylene [1]	104	30-150		2/20/11 12:38
Tetrachloro-m-xylene [2]	89.4	30-150		2/20/11 12:38

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage
Sample Description:
Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-066
Sampled: 2/18/2011 09:03

Sample ID: 11B0428-10

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:52	JMB
Aroclor-1221 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:52	JMB
Aroclor-1232 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:52	JMB
Aroclor-1242 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:52	JMB
Aroclor-1248 [1]	5.3	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:52	JMB
Aroclor-1254 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:52	JMB
Aroclor-1260 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:52	JMB
Aroclor-1262 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:52	JMB
Aroclor-1268 [1]	ND	0.90	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 12:52	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	84.9	30-150		2/20/11 12:52
Decachlorobiphenyl [2]	71.2	30-150		2/20/11 12:52
Tetrachloro-m-xylene [1]	87.4	30-150		2/20/11 12:52
Tetrachloro-m-xylene [2]	78.5	30-150		2/20/11 12:52

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Worcester Commons Garage | Sample Description: | Work Order: 11B0428

Date Received: 2/18/2011

Field Sample #: WCP-067 | Sampled: 2/18/2011 09:10

Sample ID: 11B0428-11

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:06	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:06	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:06	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:06	JMB
Aroclor-1248 [2]	1.5	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:06	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:06	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:06	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:06	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	5		SW-846 8082	2/18/11	2/20/11 13:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	97.6	30-150		2/20/11 13:06
Decachlorobiphenyl [2]	89.3	30-150		2/20/11 13:06
Tetrachloro-m-xylene [1]	101	30-150		2/20/11 13:06
Tetrachloro-m-xylene [2]	87.5	30-150		2/20/11 13:06

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11B0428-01 [WCP-057]	B026279	0.553	10.0	02/18/11
11B0428-02 [WCP-058]	B026279	0.511	10.0	02/18/11
11B0428-03 [WCP-059]	B026279	0.569	10.0	02/18/11
11B0428-04 [WCP-060]	B026279	0.559	10.0	02/18/11
11B0428-05 [WCP-061]	B026279	0.550	10.0	02/18/11
11B0428-06 [WCP-062]	B026279	0.598	10.0	02/18/11
11B0428-07 [WCP-063]	B026279	0.561	10.0	02/18/11
11B0428-08 [WCP-064]	B026279	0.526	10.0	02/18/11
11B0428-09 [WCP-065]	B026279	0.552	10.0	02/18/11
11B0428-10 [WCP-066]	B026279	0.553	10.0	02/18/11
11B0428-11 [WCP-067]	B026279	0.507	10.0	02/18/11

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B026279 - SW-846 3540C										
Blank (B026279-BLK1)				Prepared: 02/18/11 Analyzed: 02/19/11						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*4.10*		mg/Kg	4.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.22*		mg/Kg	4.00		106	30-150			
Surrogate: Tetrachloro-m-xylene	*4.25*		mg/Kg	4.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.89*		mg/Kg	4.00		97.3	30-150			
LCS (B026279-BS1)				Prepared: 02/18/11 Analyzed: 02/19/11						
Aroclor-1016	1.1	0.20	mg/Kg	1.00		114	40-140			
Aroclor-1016 [2C]	1.1	0.20	mg/Kg	1.00		113	40-140			
Aroclor-1260	1.3	0.20	mg/Kg	1.00		126	40-140			
Aroclor-1260 [2C]	1.2	0.20	mg/Kg	1.00		116	40-140			
Surrogate: Decachlorobiphenyl	*4.20*		mg/Kg	4.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.06*		mg/Kg	4.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	*3.94*		mg/Kg	4.00		98.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.69*		mg/Kg	4.00		92.3	30-150			
LCS Dup (B026279-BSD1)				Prepared: 02/18/11 Analyzed: 02/19/11						
Aroclor-1016	1.3	0.20	mg/Kg	1.00		129	40-140	12.3	30	
Aroclor-1016 [2C]	1.1	0.20	mg/Kg	1.00		114	40-140	1.19	30	
Aroclor-1260	1.2	0.20	mg/Kg	1.00		119	40-140	5.52	30	
Aroclor-1260 [2C]	1.1	0.20	mg/Kg	1.00		115	40-140	1.58	30	
Surrogate: Decachlorobiphenyl	*4.10*		mg/Kg	4.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.15*		mg/Kg	4.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	*4.19*		mg/Kg	4.00		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.84*		mg/Kg	4.00		96.0	30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011

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Email: info@contestlabs.com
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CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

11B0428

Company Name: URS Corporation
Address: 5 Industrial Way
Salem, NH 03079
Attention: Marilyn Wade / Judy LeClair
Project Location: Worcester Commons Garage
Sampled By: R. Lavery, J. LeClair

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Telephone: 603-893-0616
Project # 39743438.13
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ☑ EMAIL ☑ WEBSITE
Fax #
Email: judith-leclair@urscorp.com marilyn-wade@urscorp.com
Format: ☑ PDF ○ EXCEL ☑ GIS
○ OTHER
○ "Enhanced Data Package"

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning ~~Date/Time~~	Collection Ending Date/~~Time~~	Composite	Grab	*Matrix Code	Conc Code	PCBS 8082										
	WCP-054	1533	2/17/11		X	O	M/H	X										
-01	WCP-057	1643	↓		↓	↓	↓	↓										
-02	WCP-058	1657	↓		↓	↓	↓	↓										
-03	WCP-059	1704	↓		↓	↓	↓	↓										
-04	WCP-060	1750	↓		↓	↓	↓	↓										
-05	WCP-061	1736	↓		↓	↓	↓	↓										
-06	WCP-062	0805	2/18/11		↓	↓	↓	↓										
-07	WCP-063	0820	↓		↓	↓	↓	↓										
-08	WCP-064 (MS/MSD)	0834	↓		↓	↓	↓	↓										
-09	WCP-065	0845	↓		↓	↓	↓	↓										

Judith LeClair 2/18/11

# of Containers
** Preservation
***Container Code

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other _____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other Caulk

Comments: Sample WCP-054 was included on the COC for the sample group on 2/17/11 pickup, but not included in the cooler. It is included in this sample group instead.

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) Judith LeClair	Date/Time: 2/18/11
Received by: (signature) Steph Malfa	Date/Time: 2.18.11 1315
Relinquished by: (signature) Steph Malfa	Date/Time: 2.18.11 1920
Received by: (signature) [signature] 7-0°C	Date/Time: 2/18/11 1920

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☑ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

Page 2 of 2

1180428

Company Name: URS Corporation
Address: 5 Industrial Way
Salem, NH 03079
Attention: Marilyn Wade / J. Le Chair
Project Location: Worcester Commons Garage
Sampled By: R. Lavery / J. Le Chair

Telephone: 603-893-0616
Project # 39743438.13
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ☑ EMAIL ☑ WEBSITE
Fax #
Email: judith-leclair@urscorp.com marilyn-wade@urscorp.com
Format: ☑ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection ~~Beginning~~ Date/~~Time~~	Collection ~~Ending~~ ~~Date~~/Time	Composite	Grab	*Matrix Code	Conc Code	PCBS 8082										
-10	WCP-065 *	2/18/11	0903		X	O	M/H	X										
-11	WCP-066 **	↓	0910		↓	↓	↓	X										

# of Containers: 2, 1, A

** Preservation

***Container Code

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other _____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other Caulk

Comments:
* Sample container labeled WCP-066
* Sample container labeled WCP-067 JB 2/18/11

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Judith Le Chair	2/18/11
Received by: (signature) Steph Malfas	Date/Time: 2-18-11 1915
Relinquished by: (signature) Steph Malfas	Date/Time: 2.18.11 1920
Received by: (signature) [signature] 2-02	Date/Time: 2/18/11 1920

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ____

RUSH †
☐ †24-Hr ☑ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

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39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

Sample Receipt Checklist

CLIENT NAME: URS Corporation RECEIVED BY: GB DATE: 2/18/11

1) Was the chain(s) of custody relinquished and signed? (Yes) No

2) Does the chain agree with the samples? Yes (No)

If not, explain: See below

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 2-0°C

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes (No) Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples? (Yes) No

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: Walk in

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature:

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	8 / 6
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:
Sample WCP-065 time of 0903 is labeled WCP-066. WCP-065 is listed twice on the chain and
Sample WCP-066 time of 0910 is labeled WCP-067. WCP-067 was not included but received.

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No (N/A) _____

Do all samples have the proper Base pH: Yes No (N/A)

June 2010

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

March 7, 2011

Ben Grigas
URS - New Hampshire
5 Industrial Way
Salem, NH 03079

Project Location: City Square, Worcester, MA
Client Job Number:
Project Number: 39743438.13
Laboratory Work Order Number: 11C0106

Enclosed are results of analyses for samples received by the laboratory on March 3, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

URS - New Hampshire
5 Industrial Way
Salem, NH 03079
ATTN: Ben Grigas

REPORT DATE: 3/7/2011

PURCHASE ORDER NUMBER: 242134

PROJECT NUMBER: 39743438.13

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11C0106

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: City Square, Worcester, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WCP-068	11C0106-01	Caulk		SW-846 8082	
WCP-069	11C0106-02	Caulk		SW-846 8082	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Square, Worcester, MA
Sample Description:
Work Order: 11C0106

Date Received: 3/3/2011

Field Sample #: WCP-068
Sampled: 3/3/2011 09:00

Sample ID: 11C0106-01

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.87	mg/Kg	5		SW-846 8082	3/3/11	3/4/11 17:13	JMB
Aroclor-1221 [1]	ND	0.87	mg/Kg	5		SW-846 8082	3/3/11	3/4/11 17:13	JMB
Aroclor-1232 [1]	ND	0.87	mg/Kg	5		SW-846 8082	3/3/11	3/4/11 17:13	JMB
Aroclor-1242 [1]	ND	0.87	mg/Kg	5		SW-846 8082	3/3/11	3/4/11 17:13	JMB
Aroclor-1248 [1]	ND	0.87	mg/Kg	5		SW-846 8082	3/3/11	3/4/11 17:13	JMB
Aroclor-1254 [1]	ND	0.87	mg/Kg	5		SW-846 8082	3/3/11	3/4/11 17:13	JMB
Aroclor-1260 [1]	ND	0.87	mg/Kg	5		SW-846 8082	3/3/11	3/4/11 17:13	JMB
Aroclor-1262 [1]	ND	0.87	mg/Kg	5		SW-846 8082	3/3/11	3/4/11 17:13	JMB
Aroclor-1268 [1]	ND	0.87	mg/Kg	5		SW-846 8082	3/3/11	3/4/11 17:13	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	89.1	30-150		3/4/11 17:13
Decachlorobiphenyl [2]	79.7	30-150		3/4/11 17:13
Tetrachloro-m-xylene [1]	92.9	30-150		3/4/11 17:13
Tetrachloro-m-xylene [2]	95.5	30-150		3/4/11 17:13

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Square, Worcester, MA
Sample Description:
Work Order: 11C0106

Date Received: 3/3/2011

Field Sample #: WCP-069
Sampled: 3/3/2011 09:15

Sample ID: 11C0106-02

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/3/11	3/5/11 5:53	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/3/11	3/5/11 5:53	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/3/11	3/5/11 5:53	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/3/11	3/5/11 5:53	JMB
Aroclor-1248 [1]	2.9	0.99	mg/Kg	5		SW-846 8082	3/3/11	3/5/11 5:53	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/3/11	3/5/11 5:53	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/3/11	3/5/11 5:53	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/3/11	3/5/11 5:53	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/3/11	3/5/11 5:53	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	86.4	30-150		3/5/11 5:53
Decachlorobiphenyl [2]	82.8	30-150		3/5/11 5:53
Tetrachloro-m-xylene [1]	99.9	30-150		3/5/11 5:53
Tetrachloro-m-xylene [2]	97.0	30-150		3/5/11 5:53

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11C0106-01 [WCP-068]	B026819	0.572	10.0	03/03/11
11C0106-02 [WCP-069]	B026819	0.507	10.0	03/03/11

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B026819 - SW-846 3540C										
Blank (B026819-BLK1)				Prepared: 03/03/11 Analyzed: 03/04/11						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*4.34*		mg/Kg	4.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.97*		mg/Kg	4.00		99.3	30-150			
Surrogate: Tetrachloro-m-xylene	*4.87*		mg/Kg	4.00		122	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.25*		mg/Kg	4.00		106	30-150			
LCS (B026819-BS1)				Prepared: 03/03/11 Analyzed: 03/04/11						
Aroclor-1016	4.1	0.20	mg/Kg	4.00		102	40-140			
Aroclor-1016 [2C]	3.5	0.20	mg/Kg	4.00		87.3	40-140			
Aroclor-1260	3.6	0.20	mg/Kg	4.00		89.1	40-140			
Aroclor-1260 [2C]	3.4	0.20	mg/Kg	4.00		83.9	40-140			
Surrogate: Decachlorobiphenyl	*3.72*		mg/Kg	4.00		93.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.45*		mg/Kg	4.00		86.1	30-150			
Surrogate: Tetrachloro-m-xylene	*4.25*		mg/Kg	4.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.77*		mg/Kg	4.00		94.3	30-150			
LCS Dup (B026819-BSD1)				Prepared: 03/03/11 Analyzed: 03/04/11						
Aroclor-1016	3.9	0.20	mg/Kg	4.00		98.5	40-140	3.37	30	
Aroclor-1016 [2C]	3.4	0.20	mg/Kg	4.00		85.2	40-140	2.46	30	
Aroclor-1260	3.6	0.20	mg/Kg	4.00		89.5	40-140	0.450	30	
Aroclor-1260 [2C]	3.4	0.20	mg/Kg	4.00		85.3	40-140	1.68	30	
Surrogate: Decachlorobiphenyl	*3.74*		mg/Kg	4.00		93.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.52*		mg/Kg	4.00		87.9	30-150			
Surrogate: Tetrachloro-m-xylene	*4.44*		mg/Kg	4.00		111	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.92*		mg/Kg	4.00		98.1	30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2012

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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

HC 0106

Company Name: URS
Address: 5 Industrial Way
Salem, NH 03079
Attention: Judy LeClair
Project Location: City Square, Worcester, MA
Sampled By: JKH

Telephone: (603)893-0616
Project # 39743438.13
Client PO#

DATA DELIVERY (check all that apply)
O FAX ☒ EMAIL O WEBSITE
Fax #
Email: judith_leclair@urscorp.com
Format: ☒ PDF ☒ EXCEL O GIS
O OTHER
O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
O yes _____ proposal date

ANALYSIS REQUESTED: PCB x 8082

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	*** Container Code
-01	WCP-068	3.3.11	0900		X	O	M	1		
-02	WCP-069	3.3.11	0915		X	O	M	1		

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other _____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other _____

Dissolved Metals
O Field Filtered
O Lab to Filter

Relinquished by: (signature)	Date/Time:
[signature]	3/3/11 1300
Received by: (signature) [signature]	Date/Time: 3-3-11 1445
Relinquished by: (signature) [signature]	Date/Time: 3-3-11 1645
Received by: (signature) [signature]	Date/Time: 3/3/11 1645

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☒ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts: MA MCP
Connecticut:
Other:

Is your project MCP or RCP ?
☒ MCP Analytical Certification Form Required
O RCP Analysis Certification Form Required
O MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

Sample Receipt Checklist

CLIENT NAME: URS RECEIVED BY: CAS DATE: 3/3/11

1) Was the chain(s) of custody relinquished and signed? Yes No

2) Does the chain agree with the samples? Yes No

If not, explain:

3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank 2.0°C Temperature °C by Temp gun _____

5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes No Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature:

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	2
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No N/A _____

Do all samples have the proper Base pH: Yes No N/A _____

June 2010

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 11C0106
Project Location: City Square, Worcester, MA	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

11C0106-01 thru 11C0106-02

Matrices: Caulk

CAM Protocol (check all that below)

8260 VOC CAM II A ( )	7470/7471 Hg CAM IIIB ( )	MassDEP VPH CAM IV A ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )
6010 Metals CAM III A ( )	6020 Metals CAM III D ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )	

Affirmative response to Questions A throughF is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes ☐ No[1]
B	Were the analytical method(s) and all associated QC requirements specificed in the selected CAM protocol(s) followed?	☑ Yes ☐ No[1]
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes ☐ No[1]
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidlines for the Acquisition and Reporting of Analytical Data?	☑ Yes ☐ No[1]
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☐ Yes ☐ No[1]
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No[1]
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Qestions A through E)?	☑ Yes ☐ No[1]

A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☑ Yes ☐ No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

H	Were all QC perfomance standards specified in the CAM protocol(s) achieved?	☑ Yes ☐ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☑ Yes ☐ No[1]

[1] *All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ Position: Laboratory Manager

Printed Name: Daren J. Damboragian Date: 03/07/11

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March 18, 2011

Ben Grigas
URS - New Hampshire
5 Industrial Way
Salem, NH 03079

Project Location: City Square, Worcester, MA
Client Job Number:
Project Number: 39743438.13
Laboratory Work Order Number: 11C0437

Enclosed are results of analyses for samples received by the laboratory on March 15, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

URS - New Hampshire
5 Industrial Way
Salem, NH 03079
ATTN: Ben Grigas

REPORT DATE: 3/18/2011

PURCHASE ORDER NUMBER: 242134

PROJECT NUMBER: 39743438.13

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11C0437

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: City Square, Worcester, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WCP-070	11C0437-01	Caulk		SW-846 8082	
WCP-071	11C0437-02	Caulk		SW-846 8082	
WCP-072	11C0437-03	Caulk		SW-846 8082	
WCP-073	11C0437-04	Caulk		SW-846 8082	
WCP-073/DUP	11C0437-05	Caulk		SW-846 8082	
WCP-074	11C0437-06	Caulk		SW-846 8082	
WCP-075	11C0437-07	Caulk		SW-846 8082	
WCP-076	11C0437-08	Caulk		SW-846 8082	
WCP-077	11C0437-09	Caulk		SW-846 8082	
WCP-009A	11C0437-10	Caulk		SW-846 1311	
				SW-846 8082	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY

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Project Location: City Square, Worcester, MA | Sample Description: | Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-070 | Sampled: 3/15/2011 10:50

Sample ID: 11C0437-01

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:31	JMB
Aroclor-1221 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:31	JMB
Aroclor-1232 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:31	JMB
Aroclor-1242 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:31	JMB
Aroclor-1248 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:31	JMB
Aroclor-1254 [1]	1.0	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:31	JMB
Aroclor-1260 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:31	JMB
Aroclor-1262 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:31	JMB
Aroclor-1268 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:31	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	144	30-150		3/17/11 14:31
Decachlorobiphenyl [2]	107	30-150		3/17/11 14:31
Tetrachloro-m-xylene [1]	109	30-150		3/17/11 14:31
Tetrachloro-m-xylene [2]	134	30-150		3/17/11 14:31

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Square, Worcester, MA | Sample Description: | Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-071 | Sampled: 3/15/2011 11:15

Sample ID: 11C0437-02

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:09	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:09	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:09	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:09	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:09	JMB
Aroclor-1254 [1]	4.4	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:09	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:09	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:09	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:09	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	91.4	30-150		3/17/11 13:09
Decachlorobiphenyl [2]	94.6	30-150		3/17/11 13:09
Tetrachloro-m-xylene [1]	103	30-150		3/17/11 13:09
Tetrachloro-m-xylene [2]	102	30-150		3/17/11 13:09

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Square, Worcester, MA | Sample Description: | Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-072 | Sampled: 3/15/2011 11:30

Sample ID: 11C0437-03

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:24	JMB
Aroclor-1221 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:24	JMB
Aroclor-1232 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:24	JMB
Aroclor-1242 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:24	JMB
Aroclor-1248 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:24	JMB
Aroclor-1254 [2]	6.8	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:24	JMB
Aroclor-1260 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:24	JMB
Aroclor-1262 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:24	JMB
Aroclor-1268 [1]	ND	0.97	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	100	30-150		3/17/11 13:24
Decachlorobiphenyl [2]	100	30-150		3/17/11 13:24
Tetrachloro-m-xylene [1]	95.2	30-150		3/17/11 13:24
Tetrachloro-m-xylene [2]	95.4	30-150		3/17/11 13:24

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Square, Worcester, MA
Sample Description:
Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-073
Sampled: 3/15/2011 11:40

Sample ID: 11C0437-04

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:38	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:38	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:38	JMB
Aroclor-1242 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:38	JMB
Aroclor-1248 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:38	JMB
Aroclor-1254 [2]	1.7	0.95	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:38	JMB
Aroclor-1260 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:38	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:38	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:38	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	95.5	30-150		3/17/11 13:38
Decachlorobiphenyl [2]	97.3	30-150		3/17/11 13:38
Tetrachloro-m-xylene [1]	102	30-150		3/17/11 13:38
Tetrachloro-m-xylene [2]	103	30-150		3/17/11 13:38

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Square, Worcester, MA | Sample Description: | Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-073/DUP | Sampled: 3/15/2011 11:40

Sample ID: 11C0437-05

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:53	JMB
Aroclor-1221 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:53	JMB
Aroclor-1232 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:53	JMB
Aroclor-1242 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:53	JMB
Aroclor-1248 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:53	JMB
Aroclor-1254 [2]	1.7	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:53	JMB
Aroclor-1260 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:53	JMB
Aroclor-1262 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:53	JMB
Aroclor-1268 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:53	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	94.5	30-150		3/17/11 13:53
Decachlorobiphenyl [2]	95.0	30-150		3/17/11 13:53
Tetrachloro-m-xylene [1]	99.2	30-150		3/17/11 13:53
Tetrachloro-m-xylene [2]	101	30-150		3/17/11 13:53

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Square, Worcester, MA | Sample Description: | Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-074 | Sampled: 3/15/2011 12:45

Sample ID: 11C0437-06

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:29	JMB
Aroclor-1221 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:29	JMB
Aroclor-1232 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:29	JMB
Aroclor-1242 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:29	JMB
Aroclor-1248 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:29	JMB
Aroclor-1254 [2]	2.5	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:29	JMB
Aroclor-1260 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:29	JMB
Aroclor-1262 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:29	JMB
Aroclor-1268 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:29	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	105	30-150		3/17/11 13:29
Decachlorobiphenyl [2]	116	30-150		3/17/11 13:29
Tetrachloro-m-xylene [1]	129	30-150		3/17/11 13:29
Tetrachloro-m-xylene [2]	115	30-150		3/17/11 13:29

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Square, Worcester, MA
Sample Description:
Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-075
Sampled: 3/15/2011 13:00

Sample ID: 11C0437-07

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:44	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:44	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:44	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:44	JMB
Aroclor-1248 [1]	1.5	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:44	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:44	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:44	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:44	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 13:44	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	127	30-150		3/17/11 13:44
Decachlorobiphenyl [2]	116	30-150		3/17/11 13:44
Tetrachloro-m-xylene [1]	124	30-150		3/17/11 13:44
Tetrachloro-m-xylene [2]	101	30-150		3/17/11 13:44

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Square, Worcester, MA
Sample Description:
Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-076
Sampled: 3/15/2011 13:30

Sample ID: 11C0437-08

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:00	JMB
Aroclor-1221 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:00	JMB
Aroclor-1232 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:00	JMB
Aroclor-1242 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:00	JMB
Aroclor-1248 [1]	2.1	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:00	JMB
Aroclor-1254 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:00	JMB
Aroclor-1260 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:00	JMB
Aroclor-1262 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:00	JMB
Aroclor-1268 [1]	ND	0.89	mg/Kg	5		SW-846 8082	3/16/11	3/17/11 14:00	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	131	30-150		3/17/11 14:00
Decachlorobiphenyl [2]	97.4	30-150		3/17/11 14:00
Tetrachloro-m-xylene [1]	128	30-150		3/17/11 14:00
Tetrachloro-m-xylene [2]	116	30-150		3/17/11 14:00

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Square, Worcester, MA
Sample Description:
Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-077
Sampled: 3/15/2011 13:50

Sample ID: 11C0437-09

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/17/11	3/18/11 11:35	JB
Aroclor-1221 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/17/11	3/18/11 11:35	JB
Aroclor-1232 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/17/11	3/18/11 11:35	JB
Aroclor-1242 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/17/11	3/18/11 11:35	JB
Aroclor-1248 [2]	4.4	0.95	mg/Kg	5		SW-846 8082	3/17/11	3/18/11 11:35	JB
Aroclor-1254 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/17/11	3/18/11 11:35	JB
Aroclor-1260 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/17/11	3/18/11 11:35	JB
Aroclor-1262 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/17/11	3/18/11 11:35	JB
Aroclor-1268 [1]	ND	0.95	mg/Kg	5		SW-846 8082	3/17/11	3/18/11 11:35	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	101	30-150		3/18/11 11:35
Decachlorobiphenyl [2]	95.8	30-150		3/18/11 11:35
Tetrachloro-m-xylene [1]	101	30-150		3/18/11 11:35
Tetrachloro-m-xylene [2]	106	30-150		3/18/11 11:35

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Square, Worcester, MA | Sample Description: | Work Order: 11C0437

Date Received: 3/15/2011

Field Sample #: WCP-009A | Sampled: 3/15/2011 14:15

Sample ID: 11C0437-10

Sample Matrix: Caulk

TCLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	µg/L	1		SW-846 8082	3/18/11	3/18/11 13:16	JB
Aroclor-1221 [1]	ND	1.0	µg/L	1		SW-846 8082	3/18/11	3/18/11 13:16	JB
Aroclor-1232 [1]	ND	1.0	µg/L	1		SW-846 8082	3/18/11	3/18/11 13:16	JB
Aroclor-1242 [1]	ND	1.0	µg/L	1		SW-846 8082	3/18/11	3/18/11 13:16	JB
Aroclor-1248 [1]	ND	1.0	µg/L	1		SW-846 8082	3/18/11	3/18/11 13:16	JB
Aroclor-1254 [1]	ND	1.0	µg/L	1		SW-846 8082	3/18/11	3/18/11 13:16	JB
Aroclor-1260 [1]	ND	1.0	µg/L	1		SW-846 8082	3/18/11	3/18/11 13:16	JB
Aroclor-1262 [1]	ND	1.0	µg/L	1		SW-846 8082	3/18/11	3/18/11 13:16	JB
Aroclor-1268 [1]	ND	1.0	µg/L	1		SW-846 8082	3/18/11	3/18/11 13:16	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	104	30-150		3/18/11 13:16
Decachlorobiphenyl [2]	119	30-150		3/18/11 13:16
Tetrachloro-m-xylene [1]	97.5	30-150		3/18/11 13:16
Tetrachloro-m-xylene [2]	105	30-150		3/18/11 13:16

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11C0437-01 [WCP-070]	B027389	0.516	10.0	03/16/11
11C0437-02 [WCP-071]	B027389	0.504	10.0	03/16/11
11C0437-03 [WCP-072]	B027389	0.515	10.0	03/16/11
11C0437-04 [WCP-073]	B027389	0.528	10.0	03/16/11
11C0437-05 [WCP-073/DUP]	B027389	0.559	10.0	03/16/11
11C0437-06 [WCP-074]	B027389	0.560	10.0	03/16/11
11C0437-07 [WCP-075]	B027389	0.505	10.0	03/16/11
11C0437-08 [WCP-076]	B027389	0.563	10.0	03/16/11

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11C0437-09 [WCP-077]	B027469	0.525	10.0	03/17/11

Prep Method: SW-846 1311-SW-846 8082 **Leachates were extracted on 3/16/2011 per SW-846 1311 in Batch B027406**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
11C0437-10 [WCP-009A]	B027524	200	10.0	03/18/11

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B027389 - SW-846 3540C										
Blank (B027389-BLK1)				Prepared: 03/16/11 Analyzed: 03/17/11						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*3.96*		mg/Kg	4.00		99.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.32*		mg/Kg	4.00		108	30-150			
Surrogate: Tetrachloro-m-xylene	*3.63*		mg/Kg	4.00		90.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.66*		mg/Kg	4.00		91.5	30-150			
LCS (B027389-BS1)				Prepared: 03/16/11 Analyzed: 03/17/11						
Aroclor-1016	4.7	0.20	mg/Kg	4.00		117	40-140			
Aroclor-1016 [2C]	4.4	0.20	mg/Kg	4.00		109	40-140			
Aroclor-1260	4.4	0.20	mg/Kg	4.00		109	40-140			
Aroclor-1260 [2C]	4.1	0.20	mg/Kg	4.00		103	40-140			
Surrogate: Decachlorobiphenyl	*4.55*		mg/Kg	4.00		114	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.91*		mg/Kg	4.00		123	30-150			
Surrogate: Tetrachloro-m-xylene	*4.63*		mg/Kg	4.00		116	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.66*		mg/Kg	4.00		116	30-150			
LCS Dup (B027389-BSD1)				Prepared: 03/16/11 Analyzed: 03/17/11						
Aroclor-1016	4.7	0.20	mg/Kg	4.00		117	40-140	0.128	30	
Aroclor-1016 [2C]	4.3	0.20	mg/Kg	4.00		108	40-140	0.441	30	
Aroclor-1260	4.4	0.20	mg/Kg	4.00		110	40-140	0.198	30	
Aroclor-1260 [2C]	4.1	0.20	mg/Kg	4.00		104	40-140	0.289	30	
Surrogate: Decachlorobiphenyl	*4.22*		mg/Kg	4.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.53*		mg/Kg	4.00		113	30-150			
Surrogate: Tetrachloro-m-xylene	*4.63*		mg/Kg	4.00		116	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.66*		mg/Kg	4.00		116	30-150			

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B027469 - SW-846 3540C										
Blank (B027469-BLK1)				Prepared: 03/17/11 Analyzed: 03/18/11						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*4.39*		mg/Kg	4.00		110	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.44*		mg/Kg	4.00		111	30-150			
Surrogate: Tetrachloro-m-xylene	*4.19*		mg/Kg	4.00		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.40*		mg/Kg	4.00		110	30-150			
LCS (B027469-BS1)				Prepared: 03/17/11 Analyzed: 03/18/11						
Aroclor-1016	4.2	0.20	mg/Kg	4.00		104	40-140			
Aroclor-1016 [2C]	4.1	0.20	mg/Kg	4.00		104	40-140			
Aroclor-1260	4.0	0.20	mg/Kg	4.00		101	40-140			
Aroclor-1260 [2C]	4.0	0.20	mg/Kg	4.00		100	40-140			
Surrogate: Decachlorobiphenyl	*4.28*		mg/Kg	4.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.35*		mg/Kg	4.00		109	30-150			
Surrogate: Tetrachloro-m-xylene	*3.94*		mg/Kg	4.00		98.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.20*		mg/Kg	4.00		105	30-150			
LCS Dup (B027469-BSD1)				Prepared: 03/17/11 Analyzed: 03/18/11						
Aroclor-1016	4.1	0.20	mg/Kg	4.00		102	40-140	2.21	30	
Aroclor-1016 [2C]	4.1	0.20	mg/Kg	4.00		102	40-140	1.97	30	
Aroclor-1260	4.0	0.20	mg/Kg	4.00		99.7	40-140	1.05	30	
Aroclor-1260 [2C]	3.8	0.20	mg/Kg	4.00		96.2	40-140	4.23	30	
Surrogate: Decachlorobiphenyl	*4.14*		mg/Kg	4.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.16*		mg/Kg	4.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	*3.97*		mg/Kg	4.00		99.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.22*		mg/Kg	4.00		105	30-150			

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

TCLP - Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B027524 - SW-846 1311										
Blank (B027524-BLK1)				Prepared & Analyzed: 03/18/11						
Aroclor-1016	ND	1.0	µg/L							
Aroclor-1016 [2C]	ND	1.0	µg/L							
Aroclor-1221	ND	1.0	µg/L							
Aroclor-1221 [2C]	ND	1.0	µg/L							
Aroclor-1232	ND	1.0	µg/L							
Aroclor-1232 [2C]	ND	1.0	µg/L							
Aroclor-1242	ND	1.0	µg/L							
Aroclor-1242 [2C]	ND	1.0	µg/L							
Aroclor-1248	ND	1.0	µg/L							
Aroclor-1248 [2C]	ND	1.0	µg/L							
Aroclor-1254	ND	1.0	µg/L							
Aroclor-1254 [2C]	ND	1.0	µg/L							
Aroclor-1260	ND	1.0	µg/L							
Aroclor-1260 [2C]	ND	1.0	µg/L							
Aroclor-1262	ND	1.0	µg/L							
Aroclor-1262 [2C]	ND	1.0	µg/L							
Aroclor-1268	ND	1.0	µg/L							
Aroclor-1268 [2C]	ND	1.0	µg/L							
Surrogate: Decachlorobiphenyl	*10.5*		µg/L	10.0		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*11.7*		µg/L	10.0		117	30-150			
Surrogate: Tetrachloro-m-xylene	*10.2*		µg/L	10.0		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*10.7*		µg/L	10.0		107	30-150			
LCS (B027524-BS1)				Prepared & Analyzed: 03/18/11						
Aroclor-1016	3.2	1.0	µg/L	2.50		127	40-140			
Aroclor-1016 [2C]	2.9	1.0	µg/L	2.50		116	40-140			
Aroclor-1260	3.0	1.0	µg/L	2.50		119	40-140			
Aroclor-1260 [2C]	3.2	1.0	µg/L	2.50		126	40-140			
Surrogate: Decachlorobiphenyl	*11.2*		µg/L	10.0		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	*12.9*		µg/L	10.0		129	30-150			
Surrogate: Tetrachloro-m-xylene	*10.2*		µg/L	10.0		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*10.8*		µg/L	10.0		108	30-150			
Matrix Spike (B027524-MS1)		**Source: 11C0437-10**		Prepared & Analyzed: 03/18/11						
Aroclor-1016	2.4	1.0	µg/L	2.50	ND	95.0	40-140			
Aroclor-1016 [2C]	2.6	1.0	µg/L	2.50	ND	104	40-140			
Aroclor-1260	2.6	1.0	µg/L	2.50	ND	102	40-140			
Aroclor-1260 [2C]	2.4	1.0	µg/L	2.50	ND	96.4	40-140			
Surrogate: Decachlorobiphenyl	*10.8*		µg/L	10.0		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*12.2*		µg/L	10.0		122	30-150			
Surrogate: Tetrachloro-m-xylene	*10.1*		µg/L	10.0		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*11.0*		µg/L	10.0		110	30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082 in Water	
Aroclor-1016	CT,NY
Aroclor-1016 [2C]	CT,NY
Aroclor-1221	CT,NY
Aroclor-1221 [2C]	CT,NY
Aroclor-1232	CT,NY
Aroclor-1232 [2C]	CT,NY
Aroclor-1242	CT,NY
Aroclor-1242 [2C]	CT,NY
Aroclor-1248	CT,NY
Aroclor-1248 [2C]	CT,NY
Aroclor-1254	CT,NY
Aroclor-1254 [2C]	CT,NY
Aroclor-1260	CT,NY
Aroclor-1260 [2C]	CT,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2012

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

Page 1 of 1

11C0437

Company Name: URS
Address: 5 Industrial Way
Salem, NH 03079
Attention: Judy LeClair
Project Location: City Square, Worcester, MA
Sampled By: JKH / BAH

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Telephone: (603) 893-0616
Project # 39743438.13
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ○ WEBSITE
Fax #
Email: judith_leclair@urscorp.com
Format: ☒ PDF ☒ EXCEL ○ GIS
○ OTHER _____
○ "Enhanced Data Package"

									1	3	3								# of Containers
									I	I	I								** Preservation
									G	G	G								***Container Code
									PCB	Total Metals/TCLP Metals	TCLP ~~Metals~~ PCB's	JMG							

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection: Beginning Date/Time	Collection: Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCB	Total Metals/TCLP Metals	TCLP ~~Metals~~ PCB's	JMG
-01	WCP-070	3.15.11	1050		X	O	U	1			
-02	WCP-071	↓	1115		X	O	U	1			
-03	WCP-072		1130		X	O	U	1			
-04	WCP-073		1140		X	O	U	1			
-05	WCP-073/DUP		1140		X	O	U	1			
-06	WCP-074		1245		X	O	U	1			
-07	WCP-075		1300		X	O	U	1			
-08	WCP-076		1330		X	O	U	1			
-09	WCP-077		1350		X	O	U	1 ~~4~~	3		
-10	WCP-009A	↓	1415		X	O	U	~~2~~		3	

Comments:
* RCRA 8 Metals per Judy L. 3-17-11 JMG
** TCLP PCB per Judy L 3-17-11 JMG

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other _____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other _____

Relinquished by: (signature)	Date/Time:
Jeffrey K. Harshman	3/15/11 1445
Received by: (signature) Steph Malfa	Date/Time: 3-15-11 1445
Relinquished by: (signature) Steph Malfa	Date/Time: 3-15-11 1945
Received by: (signature) Paula Blake 4.0	Date/Time: 3.15.11 1945

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ____

RUSH †
☐ †24-Hr ☒ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts: MA MCP
Connecticut:
Other:

Is your project MCP or RCP ?
☒ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

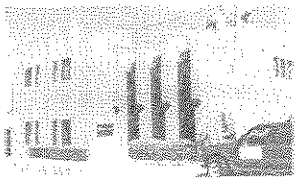
†† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist



CLIENT NAME: URS RECEIVED BY: PB DATE: 3.15.11

1) Was the chain(s) of custody relinquished and signed? (Yes) No

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice [X] Direct from Sampling [ ] Ambient [ ] In Cooler(s) [X]

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank: _____ Temperature °C by Temp gun: 4.0

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes (No) Stored where:

7) Are there any RUSH or SHORT HOLDING TIME samples? (Yes) No

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature:

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	15
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:
Container cover for WCP-073-Dup is labeled WCP-072 Dup.
CAB

Time and Date Frozen:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Do all samples have the proper Acid pH: Yes No (N/A) _____

Do all samples have the proper Base pH: Yes No (N/A) _____

March 2011

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 11C0437
Project Location: City Square, Worcester, MA	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

11C0437-01 thru 11C0437-10

Matrices: Caulk Product/Solid

CAM Protocol (check all that below)

8260 VOC CAM II A ( )	7470/7471 Hg CAM IIIB ( )	MassDEP VPH CAM IV A ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )
6010 Metals CAM III A ( )	6020 Metals CAM III D ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )	

Affirmative response to Questions A throughF is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes ☐ No[1]
B	Were the analytical method(s) and all associated QC requirements specificed in the selected CAM protocol(s) followed?	☑ Yes ☐ No[1]
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes ☐ No[1]
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidlines for the Acquisition and Reporting of Analytical Data?	☑ Yes ☐ No[1]
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☐ Yes ☐ No[1]
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No[1]
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Qestions A through E)?	☑ Yes ☐ No[1]

A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☑ Yes ☐ No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

H	Were all QC perfomance standards specified in the CAM protocol(s) achieved?	☑ Yes ☐ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☑ Yes ☐ No[1]

[1] *All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: M Erickson Position: Laboratory Director

Printed Name: Michael A. Erickson Date: 03/18/11

APPENDIX B

Laboratory Analytical Reports for Confirmatory Paint Samples

APPENDIX C

Laboratory Analytical Reports for Confirmatory Caulk Samples

APPENDIX D

Waste Disposal Documentation

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN:
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 05/19/11 as described on Shipping Document number 006377553JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164496201
CWM Unit #: 1*0
Disposal Date: 05/19/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 345674
05/20/11

For questions please call our Customer Service Dept. at (800) 843-3604

From everyday collection to environmental protection, Think Green® Think Waste Management.

Printed on 100% post-consumer recycled paper.

CWMI

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	MAC300015054	1	1-800-966-9282	006377553 JJK

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608
Generator's Phone: (617) 452-7007

Generator's Site Address (if different than mailing address)
City Square Development LLC
100 Front St
Worchester MA 01608

6. Transporter 1 Company Name: Triumvirate Environmental — U.S. EPA ID Number: MAD985286988

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1 UN3432,III NY301976	001	CM	Est 10,000	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171 81644962
1. PCB Out of Service Date: 5-12-11 Weight is estimated SR # _____
rec'd 12727K

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Birch, Manager — Signature: [signature] — Month 5 Day 12 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Aaron Rousseau — Signature: Aaron Rousseau — Month 5 Day 18 Year 11
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
City estimated actual rec'd 12727K Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Roberta Klode — Signature: [signature] — Month 05 Day 19 Year 11

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN:
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 04/29/11 as described on Shipping Document number 006377561JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164458601
CWM Unit #: 1*0
Disposal Date: 04/29/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 345215
05/02/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

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CWMI

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC300015054
2. Page 1 of 1
3. Emergency Response Phone: 1-800-966-9282
4. Manifest Tracking Number: 006377561 JJK

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608
Generator's Phone: (617) 452-7007

Generator's Site Address (if different than mailing address)
City Square Development LLC
100 Front St
Worcester MA 01608

6. Transporter 1 Company Name: Triumvirate Environmental
U.S. EPA ID Number: MAD985286988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1 UN3432,III NY301976	001	cm	Est 10,000	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171 rec'd 8681K
1. PCB Out of Service Date: 04-28-11 Weight is estimated SR #
Can # Rt2931 81644586

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Bush, Manager
Signature: [signature]
Month 4 Day 29 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Aaron Rousseau
Signature: Aaron Rousseau
Month 4 Day 28 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Qty estimated actual rec'd 8681K
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132
2.
3.
4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Roberta Klock
Signature: [signature]
Month 4 Day 29 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN:
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 04/29/11 as described on Shipping Document number 006377525JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164458701
CWM Unit #: 1*0
Disposal Date: 04/29/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 345216
05/02/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

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CWMI

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC300016054
2. Page 1 of 1
3. Emergency Response Phone: 800 966 9282
4. Manifest Tracking Number: 006377525 JJK

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608
Generator's Phone: (617) 452-7007

Generator's Site Address (if different than mailing address)
X City Square Dev LLC
100 Front St
Worcester MA 01608

6. Transporter 1 Company Name: TRIUMVIRATE ENVIRONMENTAL INC.
U.S. EPA ID Number: MAD985286988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1, UN3432,III NY301976	1	CM	EST 10000	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 4-28-11 Weight is estimated SR # X need 9815K
CAN # RT 7922 81644587

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Birch, Manager
Signature: [signature]
Month 4 Day 27 Year 11

16. International Shipments ☑ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DAVID C TIBERIO
Signature: David C Tiberio
Month 4 Day 28 Year 11

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Roberta Klock
Signature: [signature]
Month 4 Day 29 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN:
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 05/05/11 as described on Shipping Document number 006377557JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164470801
CWM Unit #: 1*0
Disposal Date: 05/05/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 345369
05/09/11

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC300016064
2. Page 1 of 1
3. Emergency Response Phone:
4. Manifest Tracking Number: 006377557 JJK

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608
Generator's Phone: (617) 462-7007

Generator's Site Address (if different than mailing address)
City Square II Development LLC
100 Front St.
Worchester MA 01608

6. Transporter 1 Company Name: Triumvirate Environmental
U.S. EPA ID Number: MAD985286988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1 UN3432,III NY301976	001	cm	Est. 10,000	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 4 - 28 - 11 Weight is estimated SR # _____
neid 8618K 81644708

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Birch, Manager
Signature: [signature]
Month 4 Day 28 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Aaron Rousseau
Signature: Aaron Rousseau
Month 5 Day 4 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Dt/estimated actual neid 8618K
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Robert Klein
Signature: [signature]
Month 05 Day 05 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN:
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 05/10/11 as described on Shipping Document number 006377555JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164478101
CWM Unit #: 1*0
Disposal Date: 05/10/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 345438
05/11/11

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CWM

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC300015064
2. Page 1 of 1
3. Emergency Response Phone: 1 800 966 9282
4. Manifest Tracking Number: 006377555 JJK

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608

Generator's Site Address (if different than mailing address)
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608

Generator's Phone: (617) 482-7007

6. Transporter 1 Company Name: TRIUMVIRATE ENVIRONMENTAL INC.
U.S. EPA ID Number: MAD985286988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107

U.S. EPA ID Number: NYD049836679

Facility's Phone: (716) 286-1550

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1, UN3432,III NY301976	1	CM	EST 11 Sob	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171 wid 6949K
1. PCB Out of Service Date: 5-9-11 Weight is estimated SR # CAN# RT855
S1644781

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

GENERATOR

Generator's/Offeror's Printed/Typed Name: Donald W Kurch, Manager
Signature:
Month 5 Day 5 Year 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: DAVID C TIBERIO
Signature:
Month 5 Day 9 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Qty estimated actual wid 6949K
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Roberta Klocke
Signature:
Month 05 Day 10 Year 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN:
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 05/10/11 as described on Shipping Document number 006377559JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164478201
CWM Unit #: 1*0
Disposal Date: 05/10/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 345439
05/11/11

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CWM

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC300015054
2. Page 1 of 1
3. Emergency Response Phone: 1-800 966-9282
4. Manifest Tracking Number: 006377559 JJK

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608
Generator's Phone: (617) 452-7007

Generator's Site Address (if different than mailing address)
100 Front St
Worcester MA 01608

6. Transporter 1 Company Name: Triumvirate Environmental Services
U.S. EPA ID Number: MAD985286988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1 UN3432,III NY301976	1	CM	Est. 11,500	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171 81644782
1. PCB Out of Service Date: 5-9-11 Weight is estimated SR #
Can RT 2931 wid 8817K

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Birch, Manager
Signature: [signature]
Month 4 Day 28 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Blaise A. Sullivan
Signature: [signature]
Month 5 Day 9 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Not estimated actual wid 8817K
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132
2.
3.
4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Roberta Klada
Signature: [signature]
Month 05 Day 10 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN:
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 05/12/11 as described on Shipping Document number 006377556JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164483701
CWM Unit #: 1*0
Disposal Date: 05/12/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 345513
05/13/11

For questions please call
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at (800) 843-3604

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAD 980 704 084
2. Page 1 of
3. Emergency Response Phone: 1800 966 9888
4. Manifest Tracking Number: 006377556 JJK

5. Generator's Name and Mailing Address: CITY SQUARE II DEVELOPMENT LLC, 103 FRONT ST, WORCESTER MA 01608
Generator's Site Address (if different than mailing address):
Generator's Phone: (617) 452-7007

6. Transporter 1 Company Name: Triumvirate Environmental, Inc — U.S. EPA ID Number: MAD985286988
7. Transporter 2 Company Name — U.S. EPA ID Number:
8. Designated Facility Name and Site Address: CWM CHEMICAL SERVICES, L.L.C., 1550 BALMER RD., MODEL CITY NY 14107 — U.S. EPA ID Number: NYD049836679
Facility's Phone: (716) 286-1550

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 9, PCB1, UN3432, III NY301976	1	CM	EST 11500*	K		D007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171 8164 4837
1. PCB Out of Service Date: 5-11-11 Weight is estimated SR #: Acc 113851K
CAN # RT9892

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Bush, Manager — Signature: [signature] — Month 5 Day 5 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: David C Tiberio — Signature: David C Tiberio — Month 5 Day 11 Year 11
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Roberta Klada — Signature: Roberta Klada — Month 05 Day 12 Year 11

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN:
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 05/13/11 as described on Shipping Document number 006377560JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164486601
CWM Unit #: 1*0
Disposal Date: 05/13/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 345543
05/16/11

For questions please call our Customer Service Dept. at (800) 843-3604

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC 300015054
2. Page 1 of
3. Emergency Response Phone: 1-800-966-7282
4. Manifest Tracking Number: 006377560 JJK

5. Generator's Name and Mailing Address
WORCESTER MA 01608
Generator's Phone: (617) 482-7007
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Triumvirate Environmental Services
U.S. EPA ID Number: MAD 985286988

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
1550 BALMER RD.
MODEL CITY NY 14107
U.S. EPA ID Number: NYD049836679
Facility's Phone: (716) 286-1550

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1, UN3432,III NY301976	1	CM	Est 11,500	KG		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 5-12-11 Weight is estimated SR # RCD 10832K
8/16/44866 Cso Atlan 808975

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Burch, Manager
Signature:
Month 4 Day 28 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Blaise A Sullivan
Signature:
Month 5 Day 12 Year 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Velma Hooker
Signature:
Month 05 Day 13 Year 11

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN:
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 05/19/11 as described on Shipping Document number 006377552JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164496301
CWM Unit #: 1*0
Disposal Date: 05/19/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 345675
05/20/11

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our Customer Service Dept.
at (800) 843-3604

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAD 0 0 0 1 5 0 5 4
2. Page 1 of 1
3. Emergency Response Phone: 800-966-9282
4. Manifest Tracking Number: 006377552 JJK

5. Generator's Name and Mailing Address: ENVIRONMENTAL DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608
Generator's Phone: (617) 462-7007

Generator's Site Address (if different than mailing address):

6. Transporter 1 Company Name: Triumvirate Environmental Services Inc
U.S. EPA ID Number: MAD 9852 86988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836579

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1, UN3432,III NY301976	1	CM	Est 11,500	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 5 - 12 - 11 Weight is estimated SR #
Wed 11058K 816 44963

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Birch, Manager
Signature: [signature]
Month 5 Day 12 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Blaise A. Sullivan
Signature: [signature]
Month 5 Day 12 Year 11

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Roberta Klode
Signature: Roberta L
Month 5 Day 19 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN:
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 05/24/11 as described on Shipping Document number 006377554JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164504001
CWM Unit #: 1*0
Disposal Date: 05/24/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 345765
05/25/11

For questions please call
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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CITY SQUARE II DEVELOPMENT LLC
2. Page 1 of
3. Emergency Response Phone: 800 966-9288 RK 5/24/11
4. Manifest Tracking Number: 006377554 JJK

5. Generator's Name and Mailing Address: WORCESTER MA 01608
Generator's Site Address (if different than mailing address):
Generator's Phone: (617) 462-7007

6. Transporter 1 Company Name: Triumvirate Environmental Services Inc
U.S. EPA ID Number: MAD 985286988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: CYCLONICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
U.S. EPA ID Number: NYD049036679
Facility's Phone: (716) 286-1550

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1, UN3432,III NY301976	1	CM	Est 11,500	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 5-23-11 Weight is estimated SR #
RCD 12256 K 81645040

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Bush, Manager
Signature: [signature]
Month 5 Day 12 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Blaise A. Sullivan
Signature: [signature]
Month 5 Day 23 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: VELMA Hooker
Signature: [signature]
Month 05 Day 24 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN:
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 06/01/11 as described on Shipping Document number 006377549JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164521601
CWM Unit #: 1*0
Disposal Date: 06/01/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 346022
06/02/11

For questions please call
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at (800) 843-3604

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC300015054
2. Page 1 of 1
3. Emergency Response Phone: 1800 966 9282
4. Manifest Tracking Number: 006377549 JJK

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01605
Generator's Phone: (617) 452-7007

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: TRIUMVIRATE ENVIRONMENTAL INC.
U.S. EPA ID Number: MA0985286988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1 UN3432,B NY301976	001	CM	EST 15 000	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 5-31-11 Weight is estimated SR # 81645216
Recd 9961K

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Birch, Manager
Signature: [signature]
Month 5 Day 26 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: DAVID C TIBERIO
Signature: David C Tiberio
Month 5 Day 31 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
qty est actual recd 9961K
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: EILEEN CARTON
Signature: Eileen Carton
Month 6 Day 1 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN:
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 06/01/11 as described on Shipping Document number 006377548JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164521901
CWM Unit #: 1*0
Disposal Date: 06/01/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 346025
06/02/11

For questions please call
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at (800) 843-3604

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC000150054
2. Page 1 of
3. Emergency Response Phone: 800 946 9287
4. Manifest Tracking Number: 006377548 JJK

5. Generator's Name and Mailing Address: ELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608
Generator's Phone: (617) 452-7007

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Terminate Environmental
U.S. EPA ID Number: MAD985286985

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1, UN3432,III NY301976	60 1	CF	EST 15K	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 5-31-11 Weight is estimated SR #
8164521 9 Rad 9284K

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald Buchholtz Manager
Signature
Month 5 Day 31 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Gary Day
Signature
Month 5 Day 31 Year 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
qty est actual 9284K
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: ELEOD CARTER
Signature: Eleod Carter
Month 6 Day 1 Year 11

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN: ENVIRONMENTAL COMPLIANCE DEPT.
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 06/09/11 as described on Shipping Document number 006377547JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164538501
CWM Unit #: 1*0
Disposal Date: 06/09/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 346235
06/13/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

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CWMI

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC300015064
2. Page 1 of: 1
3. Emergency Response Phone: 1-800/424-9300
4. Manifest Tracking Number: 006377547 JJK

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608
Generator's Phone: (617) 452-7007

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: TRIUMVIRATE ENV, INC
U.S. EPA ID Number: MAD985286988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1 UN3432,III NY301976	1	CM	EST 18000	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 06-08-11 Weight is estimated SR # 81645385 Rec'd 14370K

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Burch, Manager
Signature: [signature]
Month 6 Day 06 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: ROBERT SILLSBY
Signature: Robert A. Sillsby
Month 06 Day 08 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
qty est actual rec'd 14370K
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: EILEEN CARTON
Signature: Eileen Carton
Month 6 Day 9 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN: ENVIRONMENTAL COMPLIANCE DEPT.
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 06/09/11 as described on Shipping Document number 006377551JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164538601
CWM Unit #: 1*0
Disposal Date: 06/09/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 346236
06/13/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

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CWM

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC300016054
2. Page 1 of: 1
3. Emergency Response Phone:
4. Manifest Tracking Number: 006377551 JJK

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01609
Generator's Phone: (617) 452-7007
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Triumvirate Environmental
U.S. EPA ID Number: MAD 985286988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1 UN3432,III NY301976	001	cm	Est 10,000	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 6 - 7 - 11 Weight is estimated SR # 81645386 Rec'd 13962K

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Rich Manager
Signature:
Month 5 Day 12 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Aaron Rousseau
Signature: Aaron Rousseau
Month 6 Day 8 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Qty not actual Rec'd 13962K
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: EILEEN CARTER
Signature: Eileen Carter
Month 6 Day 9 Year 11

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN: ENVIRONMENTAL COMPLIANCE DEPT.
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 06/10/11 as described on Shipping Document number 006377535JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164540901
CWM Unit #: 1*0
Disposal Date: 06/10/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 346255
06/13/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

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Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC300015054
2. Page 1 of 1
3. Emergency Response Phone: 8009669282
4. Manifest Tracking Number: 006377535 JJK

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01609
Generator's Phone: (617) 452-7007

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: TRIUMVIRATE ENVIRONMENTAL INC.
U.S. EPA ID Number: MAD985286988

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1 UN3432,III NY301976	1	CM	EST 15000	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 6-9-11 Weight is estimated SR # 81645409 Recd 12075K

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Kirch, Manager
Signature:
Month 6 Day 7 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: DAVID C TIBERIO
Signature: David C Tiberio
Month 6 Day 9 Year 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Qty per actual recd 12075K
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: EILEEN CARTER
Signature: Eileen Carter
Month 6 Day 10 Year 11

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN: ENVIRONMENTAL COMPLIANCE DEPT.
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 06/14/11 as described on Shipping Document number 006377533JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164545201
CWM Unit #: 1*0
Disposal Date: 06/14/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 346294
06/15/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC300016054
2. Page 1 of 1
3. Emergency Response Phone: 1 800 966 9282
4. Manifest Tracking Number: 006377533 JJK

GENERATOR

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608
Generator's Phone: (617) 482-7007
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: TRIUMVIRATE ENVIRONMENTAL INC
U.S. EPA ID Number: MAD 985 386 988

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 285-1550
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1, UN3432,III NY301976	1	CM	EST 15000	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 6-13-11 Weight is estimated SR #
Rec'd 14987K
81645452

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Bush, Manager
Signature
Month 6 Day 6 Year 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: DAVID C TIBERIO
Signature
Month 6 Day 13 Year 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: EILEEN CARTER
Signature
Month 6 Day 14 Year 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN: ENVIRONMENTAL COMPLIANCE DEPT.
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 06/15/11 as described on Shipping Document number 006377534JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164547401
CWM Unit #: 1*0
Disposal Date: 06/15/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 346358
06/16/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

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CWM

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC300015064
2. Page 1 of: 1
3. Emergency Response Phone: 800 966-9258
4. Manifest Tracking Number: 006377534 JJK

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01609
Generator's Phone: (617) 452-7007

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Triumvirate Environmental Inc
U.S. EPA ID Number: MAD 985286988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1 UN3432,III NY301976	1	CM	EST 1500	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 6-13-11 Weight is estimated SR #
Shipment 4 Bol 013136K

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald Bach, Manager
Signature:
Month 6 Day 6 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bruce
Signature:
Month 6 Day 13 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Shipment actual read 13136K
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: EILEEN CARTER
Signature: Eileen Carter
Month 6 Day 15 Year 11

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN: ENVIRONMENTAL COMPLIANCE DEPT.
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 06/15/11 as described on Shipping Document number 006377536JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164547501
CWM Unit #: 1*0
Disposal Date: 06/15/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 346359
06/16/11

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at (800) 843-3604

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CWMI

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC300015054
2. Page 1 of 1
3. Emergency Response Phone: 1800 966 9282
4. Manifest Tracking Number: 006377536 JJK

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608
Generator's Phone: (617) 452-7007

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Triumvirate Environmental Inc
U.S. EPA ID Number: MAD 9852 86988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1 UN3432,III NY301976	1	CM	Est 15,000	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 6 - 12 - 11 Weight is estimated SR #
81645405 Recd 10315K

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Daniel W Birch Manager
Signature: [signature]
Month 6 Day 7 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Blaise A. Sullivan
Signature: [signature]
Month 6 Day 12 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
qty est actual recd 10315K
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Eileen Carter
Signature: Eileen Carter
Month 6 Day 15 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN: ENVIRONMENTAL COMPLIANCE DEPT.
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 06/16/11 as described on Shipping Document number 006377550JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164549501
CWM Unit #: 1*0
Disposal Date: 06/16/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 346379
06/17/11

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAD 980 524 054
2. Page 1 of 1
3. Emergency Response Phone: 1800 966 9288
4. Manifest Tracking Number: 006377550 JJK

5. Generator's Name and Mailing Address: 100 FRONT ST DEVELOPMENT LLC, WORCESTER MA 01608
Generator's Site Address (if different than mailing address):
Generator's Phone: (617) 453-7007

6. Transporter 1 Company Name: Triumvirate Environmental Inc — U.S. EPA ID Number: MAD982869188
7. Transporter 2 Company Name — U.S. EPA ID Number:
8. Designated Facility Name and Site Address: CWM CHEMICAL SERVICES, L.L.C., 1550 BALMER RD., MODEL CITY NY 14107 — U.S. EPA ID Number: NYD049936679
Facility's Phone: (716) 286-1550

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 9, PCB1, UN3432, III NY301976	1	CM	EST 15000	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 6-15-11 Weight is estimated SR # 81645495

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Daniel W. Burch, Manager — Signature: [signature] — Month 5 Day 23 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: DAVID CATIBERIO — Signature: [signature] — Month 6 Day 15 Year 11
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Qty not Actual Rec'd 13082K
18b. Alternate Facility (or Generator) — Manifest Reference Number: — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Lynn Rechowski — Signature: [signature] — Month 06 Day 16 Year 11

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN: ENVIRONMENTAL COMPLIANCE DEPT.
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 06/17/11 as described on Shipping Document number 006377543JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164551901
CWM Unit #: 1*0
Disposal Date: 06/17/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 346408
06/20/11

For questions please call
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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC300010064
2. Page 1 of: 1
3. Emergency Response Phone: 1-800-967-9782
4. Manifest Tracking Number: 006377543 JJK

GENERATOR

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608
Generator's Phone: (617) 452-7007
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Triumvirate Environmental Inc.
U.S. EPA ID Number: MAD 985286988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1 UN3432,III NY301976	1	CM	est 11,000	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171 Con RT2922
1. PCB Out of Service Date: 6 - 16 - 11 Weight is estimated SR #
81645519 BCD 11694K

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Birch, Manager
Signature:
Month 6 Day 14 Year 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Blaise A. Sullivan
Signature:
Month 6 Day 16 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Velma Hooker
Signature:
Month 06 Day 17 Year 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN: ENVIRONMENTAL COMPLIANCE DEPT.
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 06/17/11 as described on Shipping Document number 006377544JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164552001
CWM Unit #: 1*0
Disposal Date: 06/17/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 346409
06/20/11

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CITY SQUARE II DEVELOPMENT LLC
2. Page 1 of
3. Emergency Response Phone: 800/424-9300
4. Manifest Tracking Number: 006377544 JJK

5. Generator's Name and Mailing Address: 100 FRONT ST, WORCESTER MA 01608
Generator's Site Address (if different than mailing address):
Generator's Phone: (617) 452-7007

6. Transporter 1 Company Name: TRIUMVIRATE ENV, INC
U.S. EPA ID Number: MAD 985286938

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: CWM CHEMICAL SERVICES, L.L.C., 1550 BALMER RD., MODEL CITY NY 14107
U.S. EPA ID Number: NYD049836679
Facility's Phone: (716) 256-1550

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1, UN3432,III NY301976	1	CM	EST 18,000	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 06-16-11 Weight is estimated SR # 959063-2
8645520

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Burch, Manager
Signature: [signature]
Month 6 Day 14 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: ROBERT SILLSBY
Signature: [signature]
Month 06 Day 16 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
qty EST ACTUAL RECD 13608K
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Velma Hooker
Signature: Velma Hooker
Month 06 Day 17 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN: ENVIRONMENTAL COMPLIANCE DEPT.
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 06/21/11 as described on Shipping Document number 006377537JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164557001
CWM Unit #: 1*0
Disposal Date: 06/21/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 346458
06/22/11

For questions please call
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at (800) 843-3604

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC300015064
2. Page 1 of: 1
3. Emergency Response Phone: 800 966 9282
4. Manifest Tracking Number: 006377537 JJK

GENERATOR

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608
Generator's Phone: (617) 482-7007

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Triwaste Environmental
U.S. EPA ID Number: MAD985796988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1 UN3432,III NY301976	1	CM	15500 EST	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 6-20-11 Weight is estimated SR # 8164S570

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David W. Bean, Manager
Signature:
Month 6 Day 14 Year 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Gary Ay
Signature:
Month 6 Day 20 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Qty est. Actual Rec'd 13490K
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Lynn Piechowski
Signature: Ly Piechowski
Month 06 Day 21 Year 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN: ENVIRONMENTAL COMPLIANCE DEPT.
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 06/23/11 as described on Shipping Document number 006377546JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164563601
CWM Unit #: 1*0
Disposal Date: 06/23/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 346517
06/24/11

For questions please call our Customer Service Dept. at (800) 843-3604

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAD 9 8 0 1 5 0 5 4
2. Page 1 of
3. Emergency Response Phone: 800 966 9282
4. Manifest Tracking Number: 006377546 JJK

5. Generator's Name and Mailing Address: CITY SQUARE II DEVELOPMENT LLC
WORCESTER MA 01608
Generator's Phone: (617) 452-7007
Generator's Site Address (if different than mailing address):

6. Transporter 1 Company Name: Triumvirate Environmental
U.S. EPA ID Number: MAD985286988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1, UN3432,III NY301976	1	CM	1500	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 6-22-11 Weight is estimated SR #
Rec'd 14433K 81645636

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Birch, Manager
Signature: [signature]
Month 6 Day 14 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Gary Ray
Signature: [signature]
Month 6 Day 22 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Qty rec'd Actual Rec'd 14433K
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: EILEEN CARTER
Signature: Eileen Carter
Month 6 Day 23 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN: ENVIRONMENTAL COMPLIANCE DEPT.
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 06/29/11 as described on Shipping Document number 006377545JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164577301
CWM Unit #: 1*0
Disposal Date: 06/29/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 346679
06/30/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

From everyday collection to environmental protection, Think Green.® Think Waste Management.

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CWM

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC300015054
2. Page 1 of 1
3. Emergency Response Phone: 1800 9669282
4. Manifest Tracking Number: 006377545 JJK

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608
Generator's Phone: (617) 452-7007

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: TRIUMVIRATE ENVIRONMENTAL INC
U.S. EPA ID Number: MAD985286988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1 UN3432,III NY301976	1	CM	EST 15000K	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 6-23-11 Weight is estimated SR # 86645773 Recd 11639K CAN# 992012

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Birch, Manager
Signature: [signature]
Month 6 Day 14 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: DAVID C TIBERIO
Signature: David C Tiberio
Month 6 Day 23 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
qty est actual Recd 11639K
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: EILEEN CARTER
Signature: Eileen Carter
Month 6 Day 23 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

CWMI

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC000150034
2. Page 1 of
3. Emergency Response Phone: 800.966.9282
4. Manifest Tracking Number: 006377538 JJK

5. Generator's Name and Mailing Address:
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608
Generator's Phone: (617) 452-7007

Generator's Site Address (if different than mailing address):

6. Transporter 1 Company Name: Triumvirate Environmental Services Inc
U.S. EPA ID Number: MAD 985286988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1, UN3432,III NY301976	1	CM	14550	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 9-29-11 Weight is estimated SR # 966276-1
81647746
recd 10070K

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [illegible] Manager
Signature: [signature]
Month 9 Day 14 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Blaise A. Sullivan
Signature: [signature]
Month 9 Day 29 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
atyest actual recd 10070K
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jody Parfinski
Signature: [signature]
Month 9 Day 30 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN:
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 05/03/11 as described on Shipping Document number 006377558JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164465301
CWM Unit #: 1*0
Disposal Date: 05/03/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 345292
05/04/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CITY SQUARE II DEVELOPMENT LLC
2. Page 1 of
3. Emergency Response Phone
4. Manifest Tracking Number: 006377558 JJK

5. Generator's Name and Mailing Address: WORCESTER MA 01608
Generator's Phone: (617) 462-7007
Generator's Site Address (if different than mailing address): City Square Development LLC, 100 Front St, Worcester MA 01608

6. Transporter 1 Company Name: Triumvirate Environmental Inc.
U.S. EPA ID Number: MAD985286984

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1, UN3432,III NY301976	001	cm	Est. 10,000	K		B007	MA02
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - PCB < 147 ppm Contaminated Concrete, Dust, Chips ERG # 171
1. PCB Out of Service Date: 4-28-11 Weight is estimated SR #
816446653 rec'd 8826K

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Birch, Manager
Signature: [signature]
Month 4 Day 28 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Aaron Rouleau
Signature: Aaron Rouleau
Month 5 Day 2 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Qty estimated actual rec'd 8826K
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Roberta Klode
Signature: [signature]
Month 5 Day 03 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC300015054
2. Page 1 of: 1
3. Emergency Response Phone: 800-105-1982 pt 2 for 2242384482
4. Manifest Tracking Number: 001670774 GBF

GENERATOR

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608
Generator's Phone: (617) 452-7007
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: TRIUMVIRATE ENVIRONMENTAL INC.
U.S. EPA ID Number: MAD985286988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1, UN3432,III NY301976			EST 9000	K	B007	MA02	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - CONCRETE, DUST, CHIPS WTH PCBS < 500 PPM PCBS ERG # 171 #8164944
PCB OUT OF SERVICE DATE: 01-09-18 WEIGHT IN SECTION 11 IS ESTIMATED SR#
rec'd 3856K

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Birch, Manager
Signature:
Month Day Year: 01 03 12

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.: 1/4/12

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: DAVID C TIBERIO
Signature:
Month Day Year: 01 03 12
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
qtyest actual recd 3856K
Manifest Reference Number:
U.S. EPA ID Number:
18b. Alternate Facility (or Generator)
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jody Pastfinski
Signature:
Month Day Year: 1 4 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

CWM

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MAC300015654
2. Page 1 of: 1
3. Emergency Response Phone: 1-800-966-9262
4. Manifest Tracking Number: 001670775 GBF

GENERATOR

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608

Generator's Site Address (if different than mailing address)

Generator's Phone: (617) 482-7007

6. Transporter 1 Company Name: TRIUMVIRATE ENV. SER.
U.S. EPA ID Number: MAD 985286988

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107

U.S. EPA ID Number: NYD049836679

Facility's Phone: (716) 286-1550

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 9, PCB1, UN3432, III NY301976	001	CM	EST. 15,500	K	B007	MA02	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - CONCRETE, DUST, CHIPS WTH PCBS < 500 PPM PCBS ERG # 171
PCB OUT OF SERVICE DATE: 2-23-12 WEIGHT IN SECTION 11 IS ESTIMATED SR #

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Glen Toomey | Signature: Glen Toomey | Month: 2 | Day: 23 | Year: 12
Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

CWMI

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	MAC300015054	1	1-800-966-9282	001670775 GBF

5. Generator's Name and Mailing Address
CITY SQUARE II DEVELOPMENT LLC
100 FRONT ST
WORCESTER MA 01608

Generator's Site Address (if different than mailing address)

Generator's Phone: (617) 452-7007

6. Transporter 1 Company Name: TRIUMVIRATE ENV. SER.
U.S. EPA ID Number: MAD 985286988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107

U.S. EPA ID Number: NYD049836679

Facility's Phone: (716) 286-1550

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE,9, PCB1, UN3432,III NY301976	001	CM	EST. 15,500	K	B007	MA02	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY301976 - CONCRETE, DUST, CHIPS WTH PCBS < 500 PPM PCBS ERG # 171
PCB OUT OF SERVICE DATE: 2-23-12 WEIGHT IN SECTION 11 IS ESTIMATED SR # 975776
Recd 5733K 81650620

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donald W. Birch, Manager
Signature: [signature]
Month 12 Day 5 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Glen Toomey
Signature: [signature]
Month 2 Day 23 Year 12
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
qty est actual recd 5733K
18b. Alternate Facility (or Generator) Manifest Reference Number:
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jody Parfinski
Signature: Jody Parfinski
Month 12 Day 24 Year 12

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN: ENVIRONMENTAL COMPLIANCE
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 02/24/12 as described on Shipping Document number 001670775GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8165062001
CWM Unit #: 1*0
Disposal Date: 02/24/12

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 352768
02/27/12

For questions please call
our Customer Service Dept.
at (800) 843-3604

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN: ENVIRONMENTAL COMPLIANCE DEPT.
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 09/30/11 as described on Shipping Document number 006377538JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164774601
CWM Unit #: 1*0
Disposal Date: 09/30/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 349051
10/03/11

For questions please call our Customer Service Dept. at (800) 843-3604

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

CITY SQUARE II DEVELOPMENT CO
ATTN: ENVIRONMENTAL COMPLIANCE
MAC300015054
100 FRONT ST
WORCESTER MA 01608

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY SQUARE II DEVELOPMENT CO on 01/04/12 as described on Shipping Document number 001670774GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY301976
CWM Tracking ID: 8164994401
CWM Unit #: 1*0
Disposal Date: 01/04/12

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 351695
01/05/12

For questions please call
our Customer Service Dept.
at (800) 843-3604