SOIL MANAGEMENT PLAN

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COMMITMENT & INTEGRITY DRIVE RESULTS

229311
Canal5Studio
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1. INTRODUCTION

Woodard & Curran has prepared this Soil Management Plan (SMP) for the Canal5Studio to assist and facilitate the proper handling, storage, characterization, transport, on-site reuse, and/or off-site reuse or disposal of excess soil generated during the redevelopment of the plaza area associated with the Canal Plaza property in Portland, Maine.

Redevelopment activities are anticipated throughout the area of the Canal Plaza property that fronts on Middle Street, and the steps that link the plaza to Union Street and the center parking area (in the direction of Exchange Street). These areas are collectively referred to as "the Site." The approximate limits of the Site are presented in **Figure 1**.

This SMP also addresses groundwater that may incidentally be encountered during construction activities. This plan has been prepared for use during the construction process for activities such as utility and subsurface structure installation/relocation work, foundation installation, grading, paving, and landscaping.

1.1 BACKGROUND

Woodard & Curran understands that East Brown Cow has an interest in performing a significant enhancement to the plaza area associated with the Canal Plaza site. In addition, the project will include a stand-alone, single story building structure within the plaza. To date this building has been referred to as the "Guitar Pick" building during design coordination meetings, a name representative of the unique shape of the structure.

It is anticipated that the redevelopment activities described above will result in the disturbance of the current groundcover at the Site as well as excavation and earthwork activities associated with utilities, building foundations, re-grading, and final land and hardscaping.

1.2 SUMMARY OF EXPECTED SITE CONDITIONS

Woodard & Curran was retained by Canal5Studio to perform a subsurface investigation at the Site in order to assess the condition of soil that may be encountered during the anticipated redevelopment project. The focus of the subsurface investigation, which was performed on January 12, 2016, was to:

1. Assess potential contaminant concentrations in soil to evaluate potential risk to excavation and construction workers, as well as future users of the Site (i.e. commercial workers and visitors); and

2. Characterize soil that may be generated as excess during construction such that an appropriate reuse, treatment, or disposal option may be selected.

The results of this investigation were presented to Canal5Studio in a Draft Soil Characterization letter reported dated May 10, 2016. Consistent with the findings of this investigation, conditions that may be reasonably anticipated during future construction and redevelopment activities are as follows:

- Soil observed below the overlying brick and concrete hardscape of the plaza generally consisted of fill overlying glacial till and bedrock. The fill typically consisted of light to medium brown silty sand containing small rocks, gravel, pieces of concrete and brick, a black ash-like material, and a charcoal-like black material. Fill was observed at depths extending between 9 and 16 feet below the ground surface.
- Based on observed conditions and the received laboratory results of select soil samples that were analyzed as described below, shallow subsurface soil at the Site is consistent with "Urban Fill." Urban Fill means soil mixed with other materials that has been placed over an area for the purpose of modifying the elevation of the land surface to facilitate development. Urban Fill is prevalent throughout Portland's

peninsula and these materials and associated constituents are not necessarily indicative of a point source release of contaminants resulting from current or previous Site activities.

1.3 CONCLUSIONS RELATIVE TO KNOWN SITE CONDITIONS

The following is a summary of conclusions and implications relative to the proposed redevelopment activities based on the results of the January 12, 2016, subsurface investigation.

- None of the analytes detected at the Site exceed the (MEDEP) Remedial Action Guidelines (RAGs)[1] for the Construction Worker exposure scenario. As such, based on the available data from the subsurface investigation, conditions that may reasonably be anticipated during redevelopment activities at the Site are not expected to present a significant risk to the health of workers that may come into contact with soil during construction.
- Certain concentrations of analytes such as arsenic, lead, and polycyclic aromatic hydrocarbons (PAH) exceed the MEDEP RAGs under the scenarios that may be applicable after construction (e.g., Commercial Worker, Residential, and/or Park User). It is expected that these conditions will be managed through the use of engineering controls described below in Section 4 (i.e., soil cover systems).
- The results of the available laboratory analytical data indicate that excess soil that may be generated at the Site is unlikely to be classified as a hazardous waste. Consistent with the previous analytical results, it is probable that excess soil may be transported off-site for reuse or disposal at a MEDEP permitted facility, a commercial processing facility, or could be beneficially reused following appropriate MEDEP permitting.
- No groundwater analytical results are available for the Site. If groundwater is generated as waste during redevelopment, additional characterization will be required to assess possible handling and disposal requirements. However; based on observed soil conditions, it is probable that groundwater generated during construction, if any, may be managed and disposed of in accordance with Federal, State, and/or local permitting requirements.
- The construction of occupied residential space is not contemplated at this time at the Site. However, if residential occupancy is planned in the future, potential risk associated with possible vapor-phase contaminants will require further assessment and/or management in accordance with Section 4.4.2.

The following table presents the maximum and average detected analyte concentrations in soil at the Site as identified during the January 12, 2016, subsurface investigation.

[1] Please note that the MEDEP RAGs do not currently apply to soil at the Site as it is not currently involved in the Uncontrolled Hazardous Substance Sites program, Voluntary Remedial Action Program (VRAP), Brownfields program, Superfund program, or Resource Conservation and Recovery Act (RCRA) program. However, the contaminant concentrations presented in the RAGs were developed to be protective of human health and the environment, and have therefore been used as an analogous standard to achieve similar goals during future work at the Site.

Table 1: Summary of Known Soil Conditions

Compound	Maximum Detected Concentration	Average Detected Concentration	Remedial Action Guideline[1]				
			Leaching to Groundwater	Residential	Commercial Worker	Construction Worker	Urban Fill Background UPL
VOCs (mg/kg)							
Naphthalene	0.5J	0.5J	1.7	2,500	10,000	10,000	0.82
SVOCs (mg/kg)							
Naphthalene	0.53	0.53	1.7	2,500	10,000	10,000	0.82
2-Methylnaphthalene	0.29	0.29	3.6	500	3,600	600	0.41
Acenaphthylene	0.76	0.26	68	7,500	10,000	10,000	1.4
Acenaphthene	1	0.34	170	7,500	10,000	9,800	3.5
Dibenzofuran	0.58	0.20	-	130	1,000	950	-
Fluorene	1	0.34	120	5,000	10,000	10,000	4.4
Phenanthrene	14	4.43	97	3,700	10,000	8,900	6.1
Anthracene	2.5	0.94	2,400	10,000	10,000	3,800	6.7
Carbazole	1.1	1.10	-	540	1,400	10,000	0.53
Fluoranthene	15	5.92	10,000	5,000	10,000	10,000	10
Pyrene	13	4.90	10,000	3,700	10,000	10,000	9.5
Benzo(a)anthracene	6.8	2.77	10,000	2.6	35	430	27
Chrysene	7.1	2.79	10,000	260	3,500	10,000	6.4
Benzo(b)fluoranthene	4.3	2.07	10,000	2.6	35	430	6.8
Benzo(k)fluoranthene	4.7	2.03	10,000	26	350	4,300	12
Benzo(a)pyrene	5.7	2.39	10,000	0.26	3.5	43	5.2
Indeno(1,2,3-cd)pyrene	2.9	0.99	10,000	2.6	35	430	3.3
Dibenzo(a,h)anthracene	1.5	0.51	10,000	0.26	3.5	43	4.5
Benzo(g,h,i)perylene	3.1	0.99	10,000	3,700	10,000	10,000	16
Inorganics (mg/kg)							
Arsenic	12	9.97	-	1.4	4.2	42	-
Barium	73	50.00	-	10,000	10,000	10,000	-
Chromium (total)[2]	26	19.00	-	510	5,100	2,800	-
Lead	480	180.83	10,000	340	1,100	950	-
Mercury	0.63	0.46	-	51	510	930	-
TCLP (mg/L)							
Lead[3]	1.3	0.62	-	-	-	-	-

[1] RAG: Maine Remedial Action Guidelines for Sites Contaminated with Hazardous Substances, Maine DEP, revised February 5, 2016
[2] RAG for hexavalent chromium is used for a conservative comparison. There is no RAG for total chromium.
[3] Regulatory limit for lead is 5 mg/L.
- = No RAG currently exists for this compound or exposure scenario
NA = sample was not analyzed for the listed analytical parameter
J = Result qualified as estimated during data validation

2. RESPONSIBILITIES

The developer of the Site is responsible for adopting, implementing, and amending, as appropriate, this SMP, and ensuring that the SMP is adhered to during the construction. This responsibility may be contractually transferred to the general contractor and/or the Environmental Professional as appropriate for the project. Specific requirements to be fulfilled by the responsible party include the following:

1. Maintain record keeping of the soil excavation, monitoring, on-site management, on-site reuse, and off-site reuse and disposal activities performed during the proposed construction work;
2. Document environmental investigations conducted at the Site in conjunction with the work including sampling results, and make this information available to designated employees and applicable contractors that will be conducting work in the area where the SMP will be implemented. These environmental investigations are generally described in Section 4.3.2 and in particular apply to potential unexpected conditions;
3. Ensure that work conducted at the Site that has the potential to disturb existing soil and/or generate excess soil is monitored and conducted in accordance with this SMP;
4. Assist the earthwork contractor with the recommended soil management activities (described herein); and
5. Provide training to on-Site workers as needed as described in Section 3.2.

2.1 CONTACT INFORMATION

The following contact information is provided for use during the implementation of this SMP:

Environmental Professional

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Project Manager
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3. GENERAL HEALTH & SAFETY RECOMMENDATIONS

This section has been prepared to provide general health and safety information and recommend the minimum health and safety related procedures for construction and redevelopment work at the Site. This information is focused to assist persons not otherwise required to prepare their own health and safety plan (e.g., visitors) while engaged in activities at the Site.

Please note that the information presented in this section is not appropriate for use by any personnel that are required to prepare a Health and Safety Plan (HASP) in order to comply with any applicable Federal, State, local, or other health and/or safety requirements and safe construction practices.

3.1 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Level D protection, as described below in Table 3, is suggested for initial entry on-site and for all activities except where higher levels of protection are required.

Table 2: Recommended PPE Summary

PPE	Applicable Work Activities
Level D:	
Long-sleeved shirts and long pants Composite or steel toed boots with socks Hard hats Safety glasses Reflective safety/traffic vest Cut-resistant gloves	All Site work activities
Level D Modifications:	
Disposable nitrile or chemical resistant gloves Tyvek® or equivalent coveralls Rubber waders or boots	Handling of visibly contaminated sediment, soil, water, and other media

No Level C work activities are anticipated; however, Site conditions should be continuously monitored by appropriately trained personnel to ensure that conditions that require Level C or higher protection are not present.

3.2 TRAINING REQUIREMENTS

Based on known concentrations of contaminants as determined through previously described environmental investigations in the area of the Site, a comparison of analytical results to the MEDEP RAGs, and the activities and personnel that are anticipated to be on-site during construction and redevelopment (i.e., construction personnel and brief visits by non-construction personnel), no specific training is required. However, as a conservative measure, basic on-Site project-specific training is recommended for Site workers who may come into contact with Group 2 or 3 soil, as defined below in Section 4.3 (i.e., earthwork contractors, underground utility installers, landscapers, etc.). The Environmental Professional may provide this training. In addition, qualified personnel should continuously monitor Site conditions to identify potential unanticipated conditions that may warrant specialized training.

4. SOIL MANAGEMENT PLAN

4.1 OVERVIEW

All soil that is disturbed during the course of redevelopment (general Site construction, work in the public way, utility and other subsurface structure installation/relocation work, grading, paving, landscaping, and foundation installation, etc.) must be properly managed.

Provisions for the management and on-site reuse of soils that may generally be encountered or disturbed during construction are provided within this SMP. A portion of excavated soils may need to be transported off-site for disposal based on the design constraints of the project. In addition, dewatering may be necessary if groundwater is encountered during construction. Recommended practices to complete these activities are also described in this SMP.

Soil associated with work in the public way may be managed in accordance with this SMP but may also be transferred to the City of Portland for proper management and disposal.

The general soil and groundwater management process for the Site project is as follows:

1. **Initiation of Construction Activities**: Includes the pre-construction considerations in Section 4.2 and excavation and proper handling of soil during construction, as described in Sections 4.3 and 4.4.
2. **Soil Excavation Monitoring**: On-site material has been initially classified based on existing data. However, olfactory and visual observations are necessary throughout the project to identify potential unanticipated conditions as described in Section 4.3.
3. **On-site Reuse**: Based on existing data, soil that originated at the Site may be reused on-site without restriction, provided that it is managed in accordance with Section 4.4.
4. **Waste Characterization**: Group 2 soil (as defined below in Section 4.3) that originated from the Site and is disturbed during the course of construction and redevelopment, but cannot be reused at the Site is defined as "Special Waste." The proper handling, characterization, and off-site disposal or reuse of Special Waste are also described in the following sections. Excavated soil designated for off-site disposal (Special Waste) must be characterized by laboratory analyses prior to off-site transport as described in Section 4.6.
5. **Off-site Reuse or Disposal**: Results of the Waste Characterization will be used to determine how Special Waste will be disposed and to obtain receiving facility acceptance approval. The anticipated disposal options are as follows:
    - Off-site Disposal at Approved Landfills – Special Waste soil with concentrations below facility acceptance criteria is suitable for disposal at MEDEP permitted and approved landfills.
    - Off-site Recycling or Treatment at Other Facilities – Special Waste soil with concentrations below facility acceptance criteria is suitable for reuse or recycling off-site at a MEDEP permitted and approved facility. These facilities could reuse, recycle, or treat excess soil via asphalt batching, thermal desorption/destruction, or another permitted beneficial reuse such as in road base or other appropriate construction materials.
    - Off-site Reuse at Commercial Processing Facilities – Depending on the results of Waste Characterization activities, Special Waste soil may be acceptable for transport to commercial processing facilities in order to be reused in commercial applications (e.g., aggregate products such as road base, etc.). Each proposed reuse scenario must be approved by the Environmental Professional.

- Off-site Treatment or Disposal at Hazardous Waste Facilities – Though not anticipated, soil that meets one of the criteria for a characteristic hazardous waste as defined in 40 CFR 261 cannot be classified as a Special Waste and is classified as Group 3 soil (see definition below). This material must either be treated at a properly permitted facility to eliminate the hazardous characteristic or disposed of at a landfill or other facility permitted to accept hazardous waste.

6. **Confirmatory Sampling**: If necessary, confirmatory sampling may be conducted in select areas (to be determined by the Environmental Professional) prior to backfilling and/or redevelopment work. This is described in Section 4.7.
7. **Dewatering/Groundwater Management**: If groundwater is encountered during excavation activities and dewatering is necessary, groundwater shall be managed in accordance with Section 4.8.

4.2 INITIATION OF CONSTRUCTION ACTIVITIES

4.2.1 Potential Permits Required for Soil Excavation

Prior to conducting subsurface activities, DIG SAFE must be notified and a DIG SAFE permit number acquired. In addition, the Site owner and/or its representative(s) will be responsible for obtaining all permits (e.g., building, sewer connection, water, gas, etc.) and approvals from the appropriate Federal, State, or local regulatory authorities needed for activities associated with the construction project.

4.2.2 Site Access Control

Access to the Site during the performance of construction and redevelopment work shall be adequately restricted to prevent non-construction personnel from coming into contact with existing Site soil and/or Special Waste. These controls may include temporary or permanent perimeter fencing, signage, or a combination of similar measures.

4.2.3 Temporary Facilities/Utilities

Water supply needs for dust suppression and decontamination will be determined by the contractor in coordination with the Portland Water District, as needed. Possible construction water supply options include a temporary water service connection to the water main, or a fire hydrant located in the area of the Site.

4.2.4 Dust Control

Any area of soil that is disturbed or otherwise affected during construction and redevelopment work shall be maintained to minimize the creation and dispersion of dust. These areas may include but are not necessarily limited to active excavation areas, haul roads, active soil stockpiles and loading areas, entrances and exits to the Site, and adjacent public roadways. Dust suppression shall be conducted through regular sweeping and sprinkling of water, as necessary, and/or with an appropriate commercial grade dust suppressant. Several applications of water and/or other dust suppressant may be required each day to effectively manage dust.

To prevent the tracking of Site soils into the public roadways, a tire wash area must be established and the tires of each vehicle exiting the Site must be free of visible soil and dust. All truck tires and equipment will be inspected and cleaned as necessary prior to leaving the Site. In addition, regular street sweeping shall be conducted to clean the roadways adjacent to the Site where fugitive soil or dust that is not properly addressed by the tire wash may be tracked.

All water generated during dust control activities shall be managed in accordance with Section 4.8.

4.3 SOIL CHARACTERIZATION

Site conditions that may be anticipated during construction have been described in previous environmental reports, and summarized in Section 1.2. However, this information shall be supplemented by olfactory and visual observations throughout the project to identify potential unanticipated conditions that may prohibit on-site reuse. The appropriate monitoring procedures are described below in Section 4.3.2.

4.3.1 Soil Categories

Three soil groups are applicable for all construction work at and adjacent to the Site:

- **Group 1 Soils**. Group 1 soils are clean, uncontaminated soils. They have no visible or olfactory evidence of contamination (coal, ash, cinders, debris, and/or dark brown or black color) and exhibit no field photoionization detector (PID) results of greater than 20 parts per million (ppm). Based on previous investigations, it is possible that Group 1 soils will not be present at the Site or may be fairly limited in volume.

  Group 1 soils may be reused at the Site without further restriction, may be reused off-site in accordance with Section 4.5, or if necessary due to design limitations of the project, disposed in accordance with Section 4.6.

- **Group 2 Soils**. Group 2 soils have visible and/or olfactory evidence of contamination and/or field screening readings of 20 ppm or greater on a PID. Visual evidence of contamination may include coal, ash, cinders, debris, and/or dark brown or black color. Group 2 soils often have a petroleum or tar odor.

  Surficial and subsurface soils containing Urban Fill have been identified throughout the Site. Urban Fill soils, which have been observed to extend from surface grade to up to 16 feet below grade, are likely to fall into the Group 2 category. Group 2 soils are considered to be contaminated unless proper laboratory testing completed in accordance with Section 4.6 determines that contaminant concentrations are less than MEDEP RAGs for the Residential scenario, which would reclassify the material as Group 1. Any reclassification of Group 2 soils must be approved by the Environmental Professional.

  Group 2 soils may be reused at the Site in accordance with the requirements of Section 4.4. Group 2 soils would be considered a “Special Waste” if they cannot be reused on-site. Special Waste must be disposed in accordance with Section 4.6.

- **Group 3 Soils**. If soils from the Site or adjacent areas are found to fall into the category of Hazardous Waste on the basis of Toxic Characteristic Leaching Procedure (TCLP) or other laboratory testing, those soils are characterized as Group 3 soils. Group 3 soils cannot be reused at the Site and must be removed and properly disposed as hazardous waste. Based on previous investigations in the area, Group 3 soils are not anticipated at the Site.

4.3.2 Soil Excavation Monitoring

During excavation activities at the Site, an Environmental Professional should be present to monitor subsurface soil conditions, brief construction crews on soil handling and safety issues, and assist in soil classifications and handling decisions.

Site personnel shall examine excavated materials continuously for visual and/or olfactory evidence of petroleum or other impacts that may indicate Group 2 or Group 3 soil. Visual evidence will include but is not necessarily limited to the following:

- observation of discoloration or staining;

- coal, ash, cinders, trash, or debris;
- the presence of free petroleum product; and/or
- olfactory evidence including, but not necessarily limited to, odors associated with petroleum, chlorinated solvents, or unknown materials.

An interpretation of analytical results generated during previous environmental investigations in the area relative to MEDEP RAGs indicates that soil disturbed during construction can be managed during redevelopment and reused on-site as described in Section 4.4. However, **if conditions different than those anticipated at the initiation of construction activities are encountered during excavation (e.g., significant staining, odor, or free petroleum product) work shall stop. Site personnel shall then notify the Environmental Professional to assist in planning further excavation, monitoring, and documentation as required.**

Relevant contact information for the Environmental Professional is presented in Section 2.1.

4.4 ON-SITE SOIL MANAGEMENT

In general, and as previously described, it is anticipated that existing soil located throughout the Site will be disturbed during construction and redevelopment activities. At a minimum, all Site soil that is disturbed during the performance of construction or redevelopment work shall be handled and stored in a manner that minimizes human contact and prevents the uncontrolled migration of soil away from the Site for the duration of the project.

4.4.1 On-Site Reuse

Consistent with known conditions, it is anticipated that Group 1 and Group 2 soil that is disturbed or otherwise affected during construction and redevelopment work may be reused at the Site without restriction, provided measures to minimize direct contact with existing soil during the future operation of the Site are installed by the completion of construction and redevelopment. Features that would minimize direct contact with existing soil include but are not limited to:

- asphalt pavement, concrete, brick, pavers, or other impervious materials;
- 6 inches or greater of clean materials (e.g., loam, topsoil) and landscaping; or
- permanent building foundations.

Approval by the Environmental Professional is required before materials may be considered “clean” and acceptable for reuse below landscaping. Imported materials from appropriate sources, i.e., loam and topsoil from landscaping companies or virgin sources, do not require characterization or approval prior to use below landscaping.

Example soil reuse applications include backfill, grading, and landscaping materials. However, the Soil Characterization procedures described in Section 4.3 must be completed throughout the performance of construction and redevelopment activities to verify that on-site soil reuse is appropriate.

4.4.2 Construction of Occupied Structures

No groundwater or soil vapor analytical results are available for the Site. Unless an adequate investigation of potential vapor phase contamination is conducted, which indicates that conditions are acceptable without further action, occupied structures that may be constructed at the Site in the future should include a properly designed and installed vapor barrier and/or sub-slab ventilation system. Parking garages, which are not occupied or enclosed structures, are excluded from the vapor mitigation recommendation.

4.5 OFF-SITE REUSE

Group 1 soil that has been properly characterized and does not contain analyte concentrations above the available Residential RAGs may be acceptable for off-site reuse without further restriction. Each proposed off-site reuse application must not result in the significant degradation of existing environmental conditions at the reuse location. The acceptability of each proposed off-site reuse application must be verified and approved by the Environmental Professional prior to the removal of any Group 1 soil from the Site. It is unlikely that Group 2 soil will be acceptable for off-site reuse.

In addition, if significant volumes of excess naturally deposited clay that exists below fill material at the Site are generated during construction, alternative off-site reuse options may be available as approved by the Environmental Professional. This procedure would apply to undisturbed naturally deposited material that has been characterized to the satisfaction of the Environmental Professional (in concert with the MEDEP) to contain no analyte concentrations above the available Residential RAGs, and/or no concentrations of contaminants above state-wide established background concentrations for undeveloped properties. Material meeting these requirements may possibly be acceptable for reuse by commercial processing facilities (e.g., construction and earthwork contractors) in aggregate products such as road base and similar materials.

Each proposed reuse application must be non-residential and must not result in the significant degradation of existing environmental conditions at the reuse location. The acceptability of each proposed off-site reuse application must be verified and approved by the Environmental Professional prior to the removal from the Site.

4.6 SPECIAL WASTE SOIL MANAGEMENT

Any soil that originated from the Site or adjacent areas and is disturbed during the course of construction and redevelopment, but cannot be reused at the Site, is defined as "Special Waste." Special Waste soil that is excavated and designated for off-site disposal, shall either be stockpiled on-site or placed directly in DOT-approved shipping containers. These materials must be handled in the following manner:

1. Stockpiled Special Waste soil that is designated for off-site disposal shall be surrounded by a physical barrier or a combination of barriers, such as temporary or permanent perimeter fencing and/or signage, to prohibit access by unauthorized persons. The barriers shall be maintained so that they effectively prohibit such access for the duration of the work;
2. Stockpiled Special Waste soil that is designated for off-site disposal shall be covered with an impermeable material that is secured to minimize human or animal contact, wind entrainment of the soil, infiltration of precipitation, and erosion;
3. Dust suppression measures shall be employed to prevent the wind-borne entrainment and migration of soil particles from stockpiled Special Waste soil designated for off-site disposal during the active working or loading of this material; and
4. Erosion control measures shall be employed, as needed, to prevent the off-site runoff of soil from the Special Waste stockpile. Standard construction erosion control measures may include staked hay bales, plastic membrane, the covering of storm drain catch basins, or other suitable means, provided that off-site soil runoff is effectively prevented for the duration of time that the stockpile is present.

Excavated Special Waste soil that is designated for off-site disposal shall not be left uncovered or unsecured at the end of the workday. Prior to the end of each workday, all Special Waste must be either:

- Placed into a temporary stockpile and covered with poly sheeting; or
- Loaded into a covered dump trailer or lined and covered roll-off containers.

4.6.1 Waste Characterization

4.6.1.1 Previously Completed Waste Characterization

An initial round of Waste Characterization sampling has been completed by Woodard & Curran as part of the January 12, 2016, subsurface investigation and the resulting data is included in **Appendix A**. This data may be suitable to receive approval from a properly permitted receiving facility to dispose of up to 1,500 tons of Special Waste soil from the Site, as described below. Facility acceptance and approval coordination for this initial 1,500 tons of Special Waste soil will be conducted by the general contractor, with documentation provided for review by the Environmental Professional.

4.6.1.2 Supplemental Waste Characterization

If the selected disposal facility requires further sampling and laboratory analysis prior to the removal of additional volumes of Special Waste soil from the Site, such supplemental Waste Characterization sampling shall be completed and/or documented by the Environmental Professional at the discretion of the Owner. Associated activities will include Special Waste soil sampling, laboratory analysis, data review, and facility acceptance and approval coordination. Waste characterization samples may be obtained in-situ through test pitting or may be collected from existing stockpiles or containers so long as the samples provide an accurate and unbiased representation of the waste stream.

Supplemental Specific Waste Characterization analytical requirements and sampling frequency will be specified by the presumed selected off-site disposal or off-site reuse facility. However, it is anticipated that one (1) composite sample consisting of a minimum of five (5) grab sub-samples shall be collected for each 500 cubic yards of Special Waste soil that is designated for off-site reuse or off-site disposal.

The following list describes the typical Waste Characterization analytical parameters for each Supplemental Waste Characterization sample. However, this list must be verified prior to analysis to ensure that it meets specific disposal facility acceptance criteria.

- Total RCRA 8 metals (or TCLP RCRA 8 metals if required based on total concentrations)
- Volatile Organic Compounds (VOC)
- Semi-volatile Organic Compounds (SVOC)
- Total petroleum hydrocarbons (TPH)
- Polychlorinated biphenyls (PCBs)
- pH
- Corrosivity
- Reactivity (cyanide and sulfide)
- Flashpoint
- Pesticides and herbicides
- Paint filter test for free liquids (as appropriate for moist or wet soils)

4.6.2 Off-Site Disposal of Special Waste

Special Waste must be profiled and accepted at the designated MEDEP permitted receiving facility prior to off-site shipment. Proof of facility acceptance and approval, as well as the proposed shipment documentation, shall be provided to the Environmental Professional for approval prior to the removal of any Special Waste from the Site.

All Special Waste soil that is transported off-site must be shipped by a MEDEP licensed Non-Hazardous Waste Transporter under a MEDEP Nonhazardous Waste Transporter Manifest Special Waste Manifest. Following off-site transportation, clear copies of delivery tickets, acceptance tickets, weight slips, Bill of Lading forms, and/or manifests shall be provided for project documentation. An example copy of a MEDEP Non-Hazardous Waste Transporter Manifest is included for reference in **Appendix B**.

4.6.3 Off-Site Disposal of Hazardous Waste

Please note that soil that meets one of the criteria for a characteristic hazardous waste as defined in 40 CFR 261 (i.e., Group 3) is not anticipated at the Site. However, if hazardous waste is identified, notice shall be provided immediately to the Environmental Professional. This material cannot be reused and it must be disposed off-site. Appropriate receiving facility profiling, acceptance, and approval by the Environmental Professional is required prior to the removal of any hazardous waste from the Site.

4.7 VERIFICATION / CONFIRMATORY SOIL SAMPLING

It is not anticipated that verification and/or confirmatory sampling will be required at this time. However, if conditions are different than those anticipated (e.g., levels of contamination observed during construction or waste characterization sampling are greater than expected) additional sampling may be warranted. The decision to conduct verification / confirmatory sampling, and the rationale, methodology, and data quality objectives will be established by the Environmental Professional.

4.8 DEWATERING / GROUNDWATER MANAGEMENT

No information concerning current groundwater conditions or depth to the water table is available; however, it is possible that groundwater will be encountered during excavation activities. If dewatering is necessary to facilitate construction, the water will be pumped from the excavation and either:

1. Discharged to the ground surface within the immediate work area, provided that appropriate best management practices are implemented (e.g., erosion and sedimentation controls, engineered infiltration basin, etc.) to prevent the off-site migration of the generated materials.
2. Reinjected into the ground by sumps excavated on-site with the location documented by the Environmental Professional.
3. If necessary, discharged to the municipal sewer system in accordance with all local, State, and Federal approvals necessary for the discharge of the water. In this instance, the water must be containerized (i.e. fractionation tank), tested, and pretreated if necessary, prior to disposal to meet the requirements of the Portland Water District. This process must be coordinated with the City of Portland Department of Public Works Engineering Division and the Portland Water District. Typical analytical requirements are listed below:

    - pH and Alkalinity
    - Total Suspended Solids
    - Cadmium
    - Copper
    - Chromium
    - Lead
    - Nickel
    - Zinc
    - Silver
    - Mercury
    - Arsenic
    - Total Cyanide
    - Flashpoint
    - Total Oil and Grease
    - PAH

4. Managed on-site in appropriate containers (i.e. fractionation tank) for subsequent waste characterization and off-site disposal. Waste characterization must be conducted in accordance with the selected disposal facility's acceptance requirements.

4.9 DECONTAMINATION PROCEDURES

As a general practice, tools and equipment that come into contact with soil will be decontaminated prior to taking them off-site. This requirement will be applicable to all tools, heavy machinery, and excavating and hauling equipment used during excavation, stockpiling, and handling of Site soils. Decontamination shall include removal of visible soil and dust with a dry broom/brush and subsequent inspection. In the event that the dry brush technique is not sufficient to remove visible signs of soil and dust, wet decontamination consisting of washing down equipment with high-pressure water hoses, brushes, and/or steam must be performed. In addition, all tools and equipment that come into contact with groundwater at the Site shall be decontaminated such that free liquids, dirt, and silt are removed prior to taking them off-site.

All water generated during decontamination activities shall be managed in accordance with Section 4.8.

4.10 RECORDKEEPING AND REPORTING

Records shall be kept of all soil excavation and handling activities. Recordkeeping requirements are ultimately the responsibility of the developer, but in practice shall be fulfilled by the Site general contractor with the assistance of the Environmental Professional. These records shall include but not be limited to the following:

1. A list of the contractors and any subcontractors conducting soil excavation, on-site management and reuse, and off-site transport and reuse/disposal work;
2. Copies of HASP(s) used;
3. Copies of shipping records for all Special Waste soil that is transported off-site;
4. Copies of existing conditions and as-built site plans showing the areas of pavement, concrete, landscaping, permanent building foundations, etc.;
5. Copies of analytical results for samples collected for waste characterization (Section 4.6), confirmation sampling (Section 4.7), and/or groundwater discharge (Section 4.8); and
6. Copies of plans showing locations where groundwater was reinjected into sumps, if used, after dewatering.

In the event additional or unexpected contamination is discovered, soil characterization and/or verification soil sampling records will be retained and copies provided to the Environmental Professional.

5. REFERENCES

Woodard & Curran, 2016. Draft Soil Characterization. May 10.

FIGURES

Figure 1: Soil Boring Locations

22x34 SHEET
1:1

AREA OF COMPLETED SOIL BORINGS

NICKELODEON CINEMA

SATELLITE #1
3 CANAL PLAZA

6 STORY BRICK BUILDING

CANAL PLAZA AREA

10 STORY BRICK BUILDING
1 CANAL PLAZA

4 STORY BRICK BUILDING
SATELLITE #2
2 CANAL PLAZA

TWO CITY CENTER

ONE PORTLAND SQUARE

SPRING MIDDLE ARTERIAL

UNION STREET

B-1
B-2
B-3
B-4
B-5
B-6

BAR SCALE
1" = 20'
CHECK GRAPHIC SCALE BEFORE USING

E:\Projects\229311 East Brown Cow - Canal Plaza Infill Dev\CIVIL\229311-C200A.dwg, Jan 12, 2016 - 9:38pm

WOODARD & CURRAN
41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

REV	DESCRIPTION	DATE
DESIGNED BY: DAS	CHECKED BY: DAS	
DRAWN BY: JBC	229311-C200A.dwg	

FIGURE 1: SOIL BORING LOCATIONS

EAST BROWN COW

EAST BROWN COW
CANAL PLAZA INFILL DEVELOPMENT

JOB NO.: 229311
DATE: JANUARY 2016
SCALE: AS NOTED
SHEET: OF XXX

APPENDIX A: PREVIOUSLY COMPLETED WASTE CHARACTERIZATION DATA

Laboratory Report

Absolute Resource associates
124 Heritage Avenue Portsmouth NH 03801

Jedd Steinglass
Woodard & Curran
41 Hutchins Drive
Portland, ME 04102

PO Number: None
Job ID: 35489
Date Received: 1/14/16

Project: Canal Plaza 229311

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Absolute Resource Associates' Quality Assurance Plan. The Standard Operating Procedures are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Absolute Resource Associates maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Absolute Resource Associates

(for)

Sue Sylvester
Principal, General Manager

Date of Approval: 1/29/2016
Total number of pages: 52

Absolute Resource Associates Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: Canal Plaza 229311
Lab ID: 35489

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
B-6 (0.5'-2.5')	Solid	1/12/2016 7:50	35489-001	
				PCBs in soil by 8082
				Acid & Base/Neutral Extractables in solid by 8270
				Soil Digestion for ICP Analysis
				Silver in solids by 6010
				Arsenic in solids by 6010
				Barium in solids by 6010
				Cadmium in solids by 6010
				Chromium in solids by 6010
				Mercury in solids by 7471
				Lead in solids by 6010
				Selenium in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
				Asbestos in solid (subcontract)
				Total Halogens in soil (subcontract)
				VOCs in solids by 8260
				Total cyanide in solids by 9014
				Ignitability of Solid Samples by SW1010
				pH in solids by SW9045C
				Sulfide-soluble in solid by SM4500-S2 D+F
B-4(0.6'-7')	Solid	1/12/2016 8:40	35489-002	
				PCBs in soil by 8082
				Acid & Base/Neutral Extractables in solid by 8270
				Soil Digestion for ICP Analysis
				Silver in solids by 6010
				Arsenic in solids by 6010
				Barium in solids by 6010
				Cadmium in solids by 6010
				Chromium in solids by 6010
				Mercury in solids by 7471
				Lead in solids by 6010
				Selenium in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
				Asbestos in solid (subcontract)
				Total Halogens in soil (subcontract)
				VOCs in solids by 8260
				Total cyanide in solids by 9014
				Ignitability of Solid Samples by SW1010
				pH in solids by SW9045C
				Sulfide-soluble in solid by SM4500-S2 D+F
B-5(0.8'-2.8')	Solid	1/12/2016 10:00	35489-003	
				PCBs in soil by 8082
				Acid & Base/Neutral Extractables in solid by 8270
				Soil Digestion for ICP Analysis
				Silver in solids by 6010
				Arsenic in solids by 6010
				Barium in solids by 6010
				Cadmium in solids by 6010
				Chromium in solids by 6010
				Mercury in solids by 7471
				Lead in solids by 6010
				Selenium in solids by 6010

Absolute Resource associates

Project ID: Canal Plaza 229311
Lab ID: 35489

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
B-5(0.8'-2.8')	Solid	1/12/2016 10:00	35489-003	
				Percent Dry Matter for Sample Calc by SM2540B,G
				Asbestos in solid (subcontract)
				Total Halogens in soil (subcontract)
				VOCs in solids by 8260
				Total cyanide in solids by 9014
				Ignitability of Solid Samples by SW1010
				pH in solids by SW9045C
				Sulfide-soluble in solid by SM4500-S2 D+F
B-3(0.5'-4.5')	Solid	1/12/2016 11:00	35489-004	
				PCBs in soil by 8082
				Acid & Base/Neutral Extractables in solid by 8270
				Soil Digestion for ICP Analysis
				Silver in solids by 6010
				Arsenic in solids by 6010
				Barium in solids by 6010
				Cadmium in solids by 6010
				Chromium in solids by 6010
				Mercury in solids by 7471
				Lead in solids by 6010
				Selenium in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
				Asbestos in solid (subcontract)
				Total Halogens in soil (subcontract)
				VOCs in solids by 8260
				Total cyanide in solids by 9014
				Ignitability of Solid Samples by SW1010
				pH in solids by SW9045C
				Sulfide-soluble in solid by SM4500-S2 D+F
B-2(0.6'-4.6')	Solid	1/12/2016 12:30	35489-005	
				PCBs in soil by 8082
				Acid & Base/Neutral Extractables in solid by 8270
				Soil Digestion for ICP Analysis
				Silver in solids by 6010
				Arsenic in solids by 6010
				Barium in solids by 6010
				Cadmium in solids by 6010
				Chromium in solids by 6010
				Mercury in solids by 7471
				Lead in solids by 6010
				Selenium in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
				Asbestos in solid (subcontract)
				Total Halogens in soil (subcontract)
				VOCs in solids by 8260
				Total cyanide in solids by 9014
				Ignitability of Solid Samples by SW1010
				pH in solids by SW9045C
				Sulfide-soluble in solid by SM4500-S2 D+F
B-1(1'-6')	Solid	1/12/2016 13:45	35489-006	
				PCBs in soil by 8082
				Acid & Base/Neutral Extractables in solid by 8270

Project ID: Canal Plaza 229311

Lab ID: 35489

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
B-1(1'-6')	Solid	1/12/2016 13:45	35489-006	
				Soil Digestion for ICP Analysis
				Silver in solids by 6010
				Arsenic in solids by 6010
				Barium in solids by 6010
				Cadmium in solids by 6010
				Chromium in solids by 6010
				Mercury in solids by 7471
				Lead in solids by 6010
				Selenium in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
				Asbestos in solid (subcontract)
				Total Halogens in soil (subcontract)
				VOCs in solids by 8260
				Total cyanide in solids by 9014
				Ignitability of Solid Samples by SW1010
				pH in solids by SW9045C
				Sulfide-soluble in solid by SM4500-S2 D+F
B-6 (0.5'-2.5')	TCLP	1/12/2016 7:50	35489-007	
				Water Digestion for ICP Analysis
				TCLP Extraction
				Lead in water by 6010
B-4(0.6'-7')	TCLP	1/12/2016 8:40	35489-008	
				Water Digestion for ICP Analysis
				TCLP Extraction
				Lead in water by 6010
B-1(1'-6')	TCLP	1/12/2016 13:45	35489-009	
				Water Digestion for ICP Analysis
				TCLP Extraction
				Lead in water by 6010

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-001
Sample ID: B-6 (0.5'-2.5')
Matrix: Solid Percent Dry: 88.1% Results expressed on a dry weight basis.
Sampled: 1/12/16 7:50

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
chloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
bromomethane	< 0.3	0.3	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
chloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
diethyl ether	< 0.7	0.7	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
acetone	< 3	3	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
methylene chloride	< 0.3	0.3	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
2-butanone (MEK)	< 0.4	0.4	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
chloroform	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
tetrahydrofuran (THF)	< 0.7	0.7	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
benzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
trichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
dibromomethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
4-methyl-2-pentanone (MIBK)	< 0.6	0.6	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
toluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
2-hexanone	< 0.7	0.7	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-001
Sample ID: B-6 (0.5'-2.5')
Matrix: Solid Percent Dry: 88.1% Results expressed on a dry weight basis.
Sampled: 1/12/16 7:50

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
o-xylene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
styrene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
bromoform	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
bromobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
naphthalene	< 0.3	0.3	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**84**	78-114	%	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
toluene-D8 SUR	**101**	88-110	%	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
4-bromofluorobenzene SUR	**102**	86-115	%	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C
a,a,a-trifluorotoluene SUR	**98**	70-130	%	1	LMM	1/19/16	8539	1/22/16	15:41	SW5035A8260C

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-002
Sample ID: B-4(0.6'-7')
Matrix: Solid Percent Dry: 90.1% Results expressed on a dry weight basis.
Sampled: 1/12/16 8:40

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
chloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
bromomethane	< 0.3	0.3	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
chloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
diethyl ether	< 0.7	0.7	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
acetone	< 3	3	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
methylene chloride	< 0.3	0.3	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
2-butanone (MEK)	< 0.4	0.4	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
chloroform	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
tetrahydrofuran (THF)	< 0.7	0.7	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
benzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
trichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
dibromomethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
4-methyl-2-pentanone (MIBK)	< 0.6	0.6	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
toluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
2-hexanone	< 0.7	0.7	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-002
Sample ID: B-4(0.6'-7')
Matrix: Solid Percent Dry: 90.1% Results expressed on a dry weight basis.
Sampled: 1/12/16 8:40

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
o-xylene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
styrene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
bromoform	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
bromobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
naphthalene	< 0.3	0.3	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**87**	78-114	%	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
toluene-D8 SUR	**101**	88-110	%	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
4-bromofluorobenzene SUR	**100**	86-115	%	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C
a,a,a-trifluorotoluene SUR	**108**	70-130	%	1	LMM	1/19/16	8539	1/19/16	17:19	SW5035A8260C

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-003
Sample ID: B-5(0.8'-2.8')
Matrix: Solid Percent Dry: 94.8% Results expressed on a dry weight basis.
Sampled: 1/12/16 10:00

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
chloromethane	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
vinyl chloride	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
bromomethane	< 0.4	0.4	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
chloroethane	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
trichlorofluoromethane	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
diethyl ether	< 0.8	0.8	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
acetone	< 4	4	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,1-dichloroethene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
methylene chloride	< 0.4	0.4	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
carbon disulfide	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
methyl t-butyl ether (MTBE)	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
trans-1,2-dichloroethene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,1-dichloroethane	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
2-butanone (MEK)	< 0.5	0.5	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
2,2-dichloropropane	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
cis-1,2-dichloroethene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
chloroform	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
bromochloromethane	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
tetrahydrofuran (THF)	< 0.8	0.8	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,1,1-trichloroethane	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,1-dichloropropene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
carbon tetrachloride	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,2-dichloroethane	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
benzene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
trichloroethene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,2-dichloropropane	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
bromodichloromethane	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
dibromomethane	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
4-methyl-2-pentanone (MIBK)	< 0.7	0.7	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
cis-1,3-dichloropropene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
toluene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
trans-1,3-dichloropropene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
2-hexanone	< 0.8	0.8	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,1,2-trichloroethane	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,3-dichloropropane	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
tetrachloroethene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
dibromochloromethane	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,2-dibromoethane (EDB)	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
chlorobenzene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,1,1,2-tetrachloroethane	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
ethylbenzene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
m&p-xylenes	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-003
Sample ID: B-5(0.8'-2.8')
Matrix: Solid Percent Dry: 94.8% Results expressed on a dry weight basis.
Sampled: 1/12/16 10:00

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
o-xylene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
styrene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
bromoform	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
isopropylbenzene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,1,2,2-tetrachloroethane	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,2,3-trichloropropane	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
n-propylbenzene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
bromobenzene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,3,5-trimethylbenzene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
2-chlorotoluene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
4-chlorotoluene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
tert-butylbenzene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,2,4-trimethylbenzene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
sec-butylbenzene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,3-dichlorobenzene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
4-isopropyltoluene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,4-dichlorobenzene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,2-dichlorobenzene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
n-butylbenzene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,2,4-trichlorobenzene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
hexachlorobutadiene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
naphthalene	< 0.4	0.4	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
1,2,3-trichlorobenzene	< 0.2	0.2	ug/g	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**90**	78-114	%	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
toluene-D8 SUR	**101**	88-110	%	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
4-bromofluorobenzene SUR	**97**	86-115	%	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C
a,a,a-trifluorotoluene SUR	**103**	70-130	%	1	LMM	1/19/16	8539	1/19/16	17:47	SW5035A8260C

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-004
Sample ID: B-3(0.5'-4.5')
Matrix: Solid Percent Dry: 93.8% Results expressed on a dry weight basis.
Sampled: 1/12/16 11:00

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
chloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
bromomethane	< 0.4	0.4	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
chloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
diethyl ether	< 0.7	0.7	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
acetone	< 4	4	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
methylene chloride	< 0.4	0.4	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
2-butanone (MEK)	< 0.4	0.4	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
chloroform	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
tetrahydrofuran (THF)	< 0.7	0.7	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
benzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
trichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
dibromomethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
4-methyl-2-pentanone (MIBK)	< 0.7	0.7	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
toluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
2-hexanone	< 0.7	0.7	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-004
Sample ID: B-3(0.5'-4.5')
Matrix: Solid Percent Dry: 93.8% Results expressed on a dry weight basis.
Sampled: 1/12/16 11:00

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
o-xylene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
styrene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
bromoform	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
bromobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
naphthalene	< 0.4	0.4	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**89**	78-114	%	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
toluene-D8 SUR	**102**	88-110	%	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
4-bromofluorobenzene SUR	**100**	86-115	%	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C
a,a,a-trifluorotoluene SUR	**116**	70-130	%	1	LMM	1/19/16	8539	1/19/16	18:14	SW5035A8260C

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-005
Sample ID: B-2(0.6'-4.6')
Matrix: Solid Percent Dry: 94.3% Results expressed on a dry weight basis.
Sampled: 1/12/16 12:30

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
chloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
bromomethane	< 0.4	0.4	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
chloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
diethyl ether	< 0.7	0.7	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
acetone	< 4	4	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
methylene chloride	< 0.4	0.4	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
2-butanone (MEK)	< 0.4	0.4	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
chloroform	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
tetrahydrofuran (THF)	< 0.7	0.7	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
benzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
trichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
dibromomethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
4-methyl-2-pentanone (MIBK)	< 0.6	0.6	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
toluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
2-hexanone	< 0.7	0.7	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-005
Sample ID: B-2(0.6'-4.6')
Matrix: Solid Percent Dry: 94.3% Results expressed on a dry weight basis.
Sampled: 1/12/16 12:30

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
o-xylene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
styrene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
bromoform	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
bromobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
naphthalene	< 0.4	0.4	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**86**	78-114	%	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
toluene-D8 SUR	**100**	88-110	%	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
4-bromofluorobenzene SUR	**98**	86-115	%	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C
a,a,a-trifluorotoluene SUR	**106**	70-130	%	1	LMM	1/19/16	8539	1/19/16	18:42	SW5035A8260C

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-006
Sample ID: B-1(1'-6')
Matrix: Solid Percent Dry: 91.4% Results expressed on a dry weight basis.
Sampled: 1/12/16 13:45

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
chloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
bromomethane	< 0.3	0.3	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
chloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
diethyl ether	< 0.7	0.7	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
acetone	< 3	3	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
methylene chloride	< 0.3	0.3	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
2-butanone (MEK)	< 0.4	0.4	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
chloroform	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
tetrahydrofuran (THF)	< 0.7	0.7	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
benzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
trichloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
dibromomethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
4-methyl-2-pentanone (MIBK)	< 0.6	0.6	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
toluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
2-hexanone	< 0.7	0.7	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-006
Sample ID: B-1(1'-6')
Matrix: Solid Percent Dry: 91.4% Results expressed on a dry weight basis.
Sampled: 1/12/16 13:45

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
o-xylene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
styrene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
bromoform	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
bromobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
naphthalene	**0.5**	0.3	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**84**	78-114	%	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
toluene-D8 SUR	**100**	88-110	%	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
4-bromofluorobenzene SUR	**96**	86-115	%	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C
a,a,a-trifluorotoluene SUR	**103**	70-130	%	1	LMM	1/19/16	8539	1/22/16	16:09	SW5035A8260C

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-001
Sample ID: B-6 (0.5'-2.5')
Matrix: Solid Percent Dry: 88.1% Results expressed on a dry weight basis.
Sampled: 1/12/16 7:50

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
N-nitrosodimethylamine	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
aniline	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
phenol	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
2-chlorophenol	< 2.8	2.8	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
bis(2-chloroethyl)ether	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
1,3-dichlorobenzene	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
1,4-dichlorobenzene	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
1,2-dichlorobenzene	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
benzyl alcohol	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
2-methylphenol	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
bis(2-chloroisopropyl) ether	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
hexachloroethane	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
N-nitroso-di-N-propylamine	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
4-methylphenol	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
nitrobenzene	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
isophorone	< 2.8	2.8	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
2-nitrophenol	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
2,4-dimethylphenol	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
bis(2-chloroethoxy)methane	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
2,4-dichlorophenol	< 2.8	2.8	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
1,2,4-trichlorobenzene	< 2.8	2.8	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
naphthalene	**0.53**	0.28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
benzoic acid	< 28	28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
4-chloroaniline	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
hexachlorobutadiene	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
4-chloro-3-methylphenol	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
2-methylnaphthalene	**0.29**	0.28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
hexachlorocyclopentadiene	< 5.5	5.5	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
2,4,6-trichlorophenol	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
2,4,5-trichlorophenol	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
2-chloronaphthalene	< 2.8	2.8	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
2-nitroaniline	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
acenaphthylene	**0.29**	0.28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
dimethylphthalate	< 2.8	2.8	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
2,6-dinitrotoluene	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
2,4-dinitrotoluene	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
acenaphthene	**1.0**	0.28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
3-nitroaniline	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
2,4-dinitrophenol	< 28	28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
dibenzofuran	**0.58**	0.28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
4-nitrophenol	< 11	11	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
fluorene	**1.0**	0.28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
diethyl phthalate	< 2.8	2.8	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-001
Sample ID: B-6 (0.5'-2.5')
Matrix: Solid Percent Dry: 88.1% Results expressed on a dry weight basis.
Sampled: 1/12/16 7:50

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
4-chlorophenyl phenyl ether	< 2.8	2.8	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
4-nitroaniline	< 2.8	2.8	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
4,6-dinitro-2-methylphenol	< 11	11	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
azobenzene	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
N-nitrosodiphenylamine	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
4-bromophenyl phenyl ether	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
hexachlorobenzene	< 1.1	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
pentachlorophenol	< 5.5	5.5	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
phenanthrene	**14**	0.28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
anthracene	**2.5**	0.28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
carbazole	**1.1**	1.1	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
di-n-butylphthalate	< 2.8	2.8	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
fluoranthene	**15**	0.28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
benzidine	< 17	17	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
pyrene	**13**	0.28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
butyl benzyl phthalate	< 2.8	2.8	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
benzo(a)anthracene	**6.8**	0.28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
chrysene	**7.1**	0.28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
3,3'-dichlorobenzidine	< 17	17	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
bis(2-ethylhexyl)phthalate	< 2.8	2.8	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
di-n-octyl phthalate	< 2.8	2.8	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
benzo(b)fluoranthene	**4.3**	0.28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
benzo(k)fluoranthene	**4.7**	0.28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
benzo(a)pyrene	**5.7**	0.28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
indeno(1,2,3-cd)pyrene	**2.9**	0.28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
dibenzo(a,h)anthracene	**1.5**	0.28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
benzo(g,h,i)perylene	**3.1**	0.28	ug/g	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
Surrogate Recovery		**Limits**								
2-fluorophenol SUR	**61**	21-100	%	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
phenol-D5 SUR	**65**	10-102	%	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
2,4,6-tribromophenol SUR	**69**	10-123	%	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
nitrobenzene-D5 SUR	**63**	35-114	%	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
2-fluorobiphenyl SUR	**68**	43-116	%	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D
p-terphenyl-D14 SUR	**69**	33-141	%	5	AJD	1/21/16	8547	1/26/16	14:13	SW3546/8270D

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-002
Sample ID: B-4(0.6'-7')
Matrix: Solid Percent Dry: 90.1% Results expressed on a dry weight basis.
Sampled: 1/12/16 8:40

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
N-nitrosodimethylamine	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
aniline	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
phenol	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
2-chlorophenol	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
bis(2-chloroethyl)ether	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
1,3-dichlorobenzene	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
1,4-dichlorobenzene	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
1,2-dichlorobenzene	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
benzyl alcohol	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
2-methylphenol	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
bis(2-chloroisopropyl) ether	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
hexachloroethane	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
N-nitroso-di-N-propylamine	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
4-methylphenol	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
nitrobenzene	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
isophorone	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
2-nitrophenol	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
2,4-dimethylphenol	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
bis(2-chloroethoxy)methane	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
2,4-dichlorophenol	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
1,2,4-trichlorobenzene	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
naphthalene	< 0.053	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
benzoic acid	< 5.3	5.3	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
4-chloroaniline	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
hexachlorobutadiene	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
4-chloro-3-methylphenol	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
2-methylnaphthalene	< 0.053	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
hexachlorocyclopentadiene	< 1.1	1.1	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
2,4,6-trichlorophenol	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
2,4,5-trichlorophenol	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
2-chloronaphthalene	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
2-nitroaniline	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
acenaphthylene	**0.053**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
dimethylphthalate	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
2,6-dinitrotoluene	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
2,4-dinitrotoluene	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
acenaphthene	**0.12**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
3-nitroaniline	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
2,4-dinitrophenol	< 5.3	5.3	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
dibenzofuran	**0.070**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
4-nitrophenol	< 2.1	2.1	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
fluorene	**0.12**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
diethyl phthalate	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-002
Sample ID: B-4(0.6'-7')
Matrix: Solid Percent Dry: 90.1% Results expressed on a dry weight basis.
Sampled: 1/12/16 8:40

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
4-chlorophenyl phenyl ether	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
4-nitroaniline	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
4,6-dinitro-2-methylphenol	< 2.1	2.1	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
azobenzene	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
N-nitrosodiphenylamine	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
4-bromophenyl phenyl ether	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
hexachlorobenzene	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
pentachlorophenol	< 1.1	1.1	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
phenanthrene	**1.5**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
anthracene	**0.37**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
carbazole	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
di-n-butylphthalate	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
fluoranthene	**2.1**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
benzidine	< 3.2	3.2	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
pyrene	**1.7**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
butyl benzyl phthalate	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
benzo(a)anthracene	**1.0**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
chrysene	**0.94**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
3,3'-dichlorobenzidine	< 3.2	3.2	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
bis(2-ethylhexyl)phthalate	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
di-n-octyl phthalate	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
benzo(b)fluoranthene	**0.82**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
benzo(k)fluoranthene	**0.70**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
benzo(a)pyrene	**0.89**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
indeno(1,2,3-cd)pyrene	**0.33**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
dibenzo(a,h)anthracene	**0.16**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
benzo(g,h,i)perylene	**0.30**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
Surrogate Recovery		**Limits**								
2-fluorophenol SUR	**63**	21-100	%	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
phenol-D5 SUR	**66**	10-102	%	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
2,4,6-tribromophenol SUR	**68**	10-123	%	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
nitrobenzene-D5 SUR	**60**	35-114	%	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
2-fluorobiphenyl SUR	**63**	43-116	%	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D
p-terphenyl-D14 SUR	**71**	33-141	%	1	AJD	1/21/16	8547	1/26/16	16:30	SW3546/8270D

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-003
Sample ID: B-5(0.8'-2.8')
Matrix: Solid Percent Dry: 94.8% Results expressed on a dry weight basis.
Sampled: 1/12/16 10:00

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
N-nitrosodimethylamine	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
aniline	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
phenol	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
2-chlorophenol	< 0.50	0.50	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
bis(2-chloroethyl)ether	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
1,3-dichlorobenzene	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
1,4-dichlorobenzene	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
1,2-dichlorobenzene	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
benzyl alcohol	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
2-methylphenol	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
bis(2-chloroisopropyl) ether	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
hexachloroethane	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
N-nitroso-di-N-propylamine	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
4-methylphenol	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
nitrobenzene	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
isophorone	< 0.50	0.50	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
2-nitrophenol	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
2,4-dimethylphenol	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
bis(2-chloroethoxy)methane	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
2,4-dichlorophenol	< 0.50	0.50	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
1,2,4-trichlorobenzene	< 0.50	0.50	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
naphthalene	< 0.050	0.050	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
benzoic acid	< 5.0	5.0	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
4-chloroaniline	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
hexachlorobutadiene	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
4-chloro-3-methylphenol	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
2-methylnaphthalene	< 0.050	0.050	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
hexachlorocyclopentadiene	< 1.0	1.0	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
2,4,6-trichlorophenol	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
2,4,5-trichlorophenol	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
2-chloronaphthalene	< 0.50	0.50	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
2-nitroaniline	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
acenaphthylene	**0.093**	0.050	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
dimethylphthalate	< 0.50	0.50	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
2,6-dinitrotoluene	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
2,4-dinitrotoluene	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
acenaphthene	**0.093**	0.050	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
3-nitroaniline	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
2,4-dinitrophenol	< 5.0	5.0	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
dibenzofuran	**0.061**	0.050	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
4-nitrophenol	< 2.0	2.0	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
fluorene	**0.099**	0.050	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
diethyl phthalate	< 0.50	0.50	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-003
Sample ID: B-5(0.8'-2.8')
Matrix: Solid Percent Dry: 94.8% Results expressed on a dry weight basis.
Sampled: 1/12/16 10:00

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
4-chlorophenyl phenyl ether	< 0.50	0.50	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
4-nitroaniline	< 0.50	0.50	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
4,6-dinitro-2-methylphenol	< 2.0	2.0	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
azobenzene	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
N-nitrosodiphenylamine	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
4-bromophenyl phenyl ether	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
hexachlorobenzene	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
pentachlorophenol	< 1.0	1.0	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
phenanthrene	**1.2**	0.050	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
anthracene	**0.29**	0.050	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
carbazole	< 0.20	0.20	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
di-n-butylphthalate	< 0.50	0.50	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
fluoranthene	**1.7**	0.050	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
benzidine	< 3.0	3.0	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
pyrene	**1.4**	0.050	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
butyl benzyl phthalate	< 0.50	0.50	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
benzo(a)anthracene	**0.83**	0.050	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
chrysene	**0.78**	0.050	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
3,3'-dichlorobenzidine	< 3.0	3.0	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
bis(2-ethylhexyl)phthalate	< 0.50	0.50	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
di-n-octyl phthalate	< 0.50	0.50	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
benzo(b)fluoranthene	**0.71**	0.050	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
benzo(k)fluoranthene	**0.56**	0.050	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
benzo(a)pyrene	**0.72**	0.050	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
indeno(1,2,3-cd)pyrene	**0.24**	0.050	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
dibenzo(a,h)anthracene	**0.12**	0.050	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
benzo(g,h,i)perylene	**0.23**	0.050	ug/g	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
Surrogate Recovery		**Limits**								
2-fluorophenol SUR	**73**	21-100	%	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
phenol-D5 SUR	**78**	10-102	%	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
2,4,6-tribromophenol SUR	**72**	10-123	%	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
nitrobenzene-D5 SUR	**70**	35-114	%	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
2-fluorobiphenyl SUR	**70**	43-116	%	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D
p-terphenyl-D14 SUR	**86**	33-141	%	1	AJD	1/21/16	8547	1/26/16	17:07	SW3546/8270D

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-004
Sample ID: B-3(0.5'-4.5')
Matrix: Solid Percent Dry: 93.8% Results expressed on a dry weight basis.
Sampled: 1/12/16 11:00

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
N-nitrosodimethylamine	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
aniline	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
phenol	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
2-chlorophenol	< 2.4	2.4	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
bis(2-chloroethyl)ether	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
1,3-dichlorobenzene	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
1,4-dichlorobenzene	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
1,2-dichlorobenzene	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
benzyl alcohol	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
2-methylphenol	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
bis(2-chloroisopropyl) ether	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
hexachloroethane	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
N-nitroso-di-N-propylamine	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
4-methylphenol	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
nitrobenzene	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
isophorone	< 2.4	2.4	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
2-nitrophenol	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
2,4-dimethylphenol	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
bis(2-chloroethoxy)methane	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
2,4-dichlorophenol	< 2.4	2.4	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
1,2,4-trichlorobenzene	< 2.4	2.4	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
naphthalene	< 0.24	0.24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
benzoic acid	< 24	24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
4-chloroaniline	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
hexachlorobutadiene	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
4-chloro-3-methylphenol	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
2-methylnaphthalene	< 0.24	0.24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
hexachlorocyclopentadiene	< 4.9	4.9	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
2,4,6-trichlorophenol	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
2,4,5-trichlorophenol	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
2-chloronaphthalene	< 2.4	2.4	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
2-nitroaniline	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
acenaphthylene	**0.76**	0.24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
dimethylphthalate	< 2.4	2.4	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
2,6-dinitrotoluene	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
2,4-dinitrotoluene	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
acenaphthene	**0.25**	0.24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
3-nitroaniline	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
2,4-dinitrophenol	< 24	24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
dibenzofuran	< 0.24	0.24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
4-nitrophenol	< 9.7	9.7	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
fluorene	**0.27**	0.24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
diethyl phthalate	< 2.4	2.4	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-004
Sample ID: B-3(0.5'-4.5')
Matrix: Solid Percent Dry: 93.8% Results expressed on a dry weight basis.
Sampled: 1/12/16 11:00

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
4-chlorophenyl phenyl ether	< 2.4	2.4	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
4-nitroaniline	< 2.4	2.4	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
4,6-dinitro-2-methylphenol	< 9.7	9.7	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
azobenzene	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
N-nitrosodiphenylamine	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
4-bromophenyl phenyl ether	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
hexachlorobenzene	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
pentachlorophenol	< 4.9	4.9	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
phenanthrene	**3.7**	0.24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
anthracene	**0.93**	0.24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
carbazole	< 0.97	0.97	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
di-n-butylphthalate	< 2.4	2.4	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
fluoranthene	**6.9**	0.24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
benzidine	< 15	15	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
pyrene	**5.5**	0.24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
butyl benzyl phthalate	< 2.4	2.4	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
benzo(a)anthracene	**3.5**	0.24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
chrysene	**3.4**	0.24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
3,3'-dichlorobenzidine	< 15	15	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
bis(2-ethylhexyl)phthalate	< 2.4	2.4	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
di-n-octyl phthalate	< 2.4	2.4	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
benzo(b)fluoranthene	**2.3**	0.24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
benzo(k)fluoranthene	**3.0**	0.24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
benzo(a)pyrene	**2.9**	0.24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
indeno(1,2,3-cd)pyrene	**1.2**	0.24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
dibenzo(a,h)anthracene	**0.62**	0.24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
benzo(g,h,i)perylene	**1.1**	0.24	ug/g	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
Surrogate Recovery		**Limits**								
2-fluorophenol SUR	**61**	21-100	%	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
phenol-D5 SUR	**65**	10-102	%	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
2,4,6-tribromophenol SUR	**67**	10-123	%	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
nitrobenzene-D5 SUR	**64**	35-114	%	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
2-fluorobiphenyl SUR	**66**	43-116	%	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D
p-terphenyl-D14 SUR	**67**	33-141	%	5	AJD	1/21/16	8547	1/26/16	14:50	SW3546/8270D

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-005
Sample ID: B-2(0.6'-4.6')
Matrix: Solid Percent Dry: 94.3% Results expressed on a dry weight basis.
Sampled: 1/12/16 12:30

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
N-nitrosodimethylamine	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
aniline	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
phenol	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
2-chlorophenol	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
bis(2-chloroethyl)ether	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
1,3-dichlorobenzene	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
1,4-dichlorobenzene	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
1,2-dichlorobenzene	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
benzyl alcohol	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
2-methylphenol	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
bis(2-chloroisopropyl) ether	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
hexachloroethane	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
N-nitroso-di-N-propylamine	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
4-methylphenol	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
nitrobenzene	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
isophorone	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
2-nitrophenol	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
2,4-dimethylphenol	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
bis(2-chloroethoxy)methane	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
2,4-dichlorophenol	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
1,2,4-trichlorobenzene	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
naphthalene	< 0.053	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
benzoic acid	< 5.3	5.3	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
4-chloroaniline	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
hexachlorobutadiene	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
4-chloro-3-methylphenol	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
2-methylnaphthalene	< 0.053	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
hexachlorocyclopentadiene	< 1.1	1.1	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
2,4,6-trichlorophenol	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
2,4,5-trichlorophenol	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
2-chloronaphthalene	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
2-nitroaniline	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
acenaphthylene	**0.11**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
dimethylphthalate	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
2,6-dinitrotoluene	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
2,4-dinitrotoluene	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
acenaphthene	**0.19**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
3-nitroaniline	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
2,4-dinitrophenol	< 5.3	5.3	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
dibenzofuran	**0.090**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
4-nitrophenol	< 2.1	2.1	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
fluorene	**0.23**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
diethyl phthalate	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-005
Sample ID: B-2(0.6'-4.6')
Matrix: Solid Percent Dry: 94.3% Results expressed on a dry weight basis.
Sampled: 1/12/16 12:30

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
4-chlorophenyl phenyl ether	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
4-nitroaniline	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
4,6-dinitro-2-methylphenol	< 2.1	2.1	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
azobenzene	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
N-nitrosodiphenylamine	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
4-bromophenyl phenyl ether	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
hexachlorobenzene	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
pentachlorophenol	< 1.1	1.1	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
phenanthrene	**2.1**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
anthracene	**0.58**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
carbazole	< 0.21	0.21	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
di-n-butylphthalate	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
fluoranthene	**4.2**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
benzidine	< 3.2	3.2	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
pyrene	**3.1**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
butyl benzyl phthalate	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
benzo(a)anthracene	**1.9**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
chrysene	**1.8**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
3,3'-dichlorobenzidine	< 3.2	3.2	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
bis(2-ethylhexyl)phthalate	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
di-n-octyl phthalate	< 0.53	0.53	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
benzo(b)fluoranthene	**1.8**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
benzo(k)fluoranthene	**1.3**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
benzo(a)pyrene	**1.7**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
indeno(1,2,3-cd)pyrene	**0.54**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
dibenzo(a,h)anthracene	**0.26**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
benzo(g,h,i)perylene	**0.46**	0.053	ug/g	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
Surrogate Recovery		**Limits**								
2-fluorophenol SUR	**74**	21-100	%	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
phenol-D5 SUR	**79**	10-102	%	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
2,4,6-tribromophenol SUR	**78**	10-123	%	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
nitrobenzene-D5 SUR	**70**	35-114	%	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
2-fluorobiphenyl SUR	**71**	43-116	%	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D
p-terphenyl-D14 SUR	**82**	33-141	%	1	AJD	1/21/16	8547	1/26/16	17:44	SW3546/8270D

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-006
Sample ID: B-1(1'-6')
Matrix: Solid Percent Dry: 91.4% Results expressed on a dry weight basis.
Sampled: 1/12/16 13:45

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
N-nitrosodimethylamine	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
aniline	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
phenol	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
2-chlorophenol	< 2.6	2.6	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
bis(2-chloroethyl)ether	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
1,3-dichlorobenzene	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
1,4-dichlorobenzene	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
1,2-dichlorobenzene	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
benzyl alcohol	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
2-methylphenol	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
bis(2-chloroisopropyl) ether	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
hexachloroethane	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
N-nitroso-di-N-propylamine	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
4-methylphenol	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
nitrobenzene	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
isophorone	< 2.6	2.6	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
2-nitrophenol	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
2,4-dimethylphenol	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
bis(2-chloroethoxy)methane	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
2,4-dichlorophenol	< 2.6	2.6	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
1,2,4-trichlorobenzene	< 2.6	2.6	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
naphthalene	< 0.26	0.26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
benzoic acid	< 26	26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
4-chloroaniline	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
hexachlorobutadiene	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
4-chloro-3-methylphenol	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
2-methylnaphthalene	< 0.26	0.26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
hexachlorocyclopentadiene	< 5.1	5.1	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
2,4,6-trichlorophenol	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
2,4,5-trichlorophenol	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
2-chloronaphthalene	< 2.6	2.6	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
2-nitroaniline	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
acenaphthylene	< 0.26	0.26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
dimethylphthalate	< 2.6	2.6	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
2,6-dinitrotoluene	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
2,4-dinitrotoluene	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
acenaphthene	**0.36**	0.26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
3-nitroaniline	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
2,4-dinitrophenol	< 26	26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
dibenzofuran	< 0.26	0.26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
4-nitrophenol	< 10	10	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
fluorene	**0.32**	0.26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
diethyl phthalate	< 2.6	2.6	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D

Project ID: Canal Plaza 229311
Job ID: 35489
Sample#: 35489-006
Sample ID: B-1(1'-6')
Matrix: Solid Percent Dry: 91.4% Results expressed on a dry weight basis.
Sampled: 1/12/16 13:45

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
4-chlorophenyl phenyl ether	< 2.6	2.6	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
4-nitroaniline	< 2.6	2.6	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
4,6-dinitro-2-methylphenol	< 10	10	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
azobenzene	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
N-nitrosodiphenylamine	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
4-bromophenyl phenyl ether	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
hexachlorobenzene	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
pentachlorophenol	< 5.1	5.1	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
phenanthrene	**4.1**	0.26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
anthracene	**0.94**	0.26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
carbazole	< 1.0	1.0	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
di-n-butylphthalate	< 2.6	2.6	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
fluoranthene	**5.6**	0.26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
benzidine	< 15	15	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
pyrene	**4.7**	0.26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
butyl benzyl phthalate	< 2.6	2.6	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
benzo(a)anthracene	**2.6**	0.26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
chrysene	**2.7**	0.26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
3,3'-dichlorobenzidine	< 15	15	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
bis(2-ethylhexyl)phthalate	< 2.6	2.6	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
di-n-octyl phthalate	< 2.6	2.6	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
benzo(b)fluoranthene	**2.5**	0.26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
benzo(k)fluoranthene	**1.9**	0.26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
benzo(a)pyrene	**2.4**	0.26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
indeno(1,2,3-cd)pyrene	**0.75**	0.26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
dibenzo(a,h)anthracene	**0.37**	0.26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
benzo(g,h,i)perylene	**0.76**	0.26	ug/g	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
Surrogate Recovery		**Limits**								
2-fluorophenol SUR	**61**	21-100	%	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
phenol-D5 SUR	**64**	10-102	%	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
2,4,6-tribromophenol SUR	**58**	10-123	%	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
nitrobenzene-D5 SUR	**60**	35-114	%	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
2-fluorobiphenyl SUR	**60**	43-116	%	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D
p-terphenyl-D14 SUR	**64**	33-141	%	5	AJD	1/21/16	8547	1/26/16	15:27	SW3546/8270D

Note: Dilution was required due to matrix interference, causing internal standard suppression.

Project ID: Canal Plaza 229311

Job ID: 35489

Sample#: 35489-001

Sample ID: B-6 (0.5'-2.5')

Matrix: Solid Percent Dry: 88.1% Results expressed on a dry weight basis.

Sampled: 1/12/16 7:50

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
PCB-1016	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	16:50	SW3546/8082A
PCB-1221	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	16:50	SW3546/8082A
PCB-1232	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	16:50	SW3546/8082A
PCB-1242	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	16:50	SW3546/8082A
PCB-1248	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	16:50	SW3546/8082A
PCB-1254	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	16:50	SW3546/8082A
PCB-1260	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	16:50	SW3546/8082A
Surrogate Recovery		**Limits**								
tetrachloro-m-xylene SUR	**83**	30-150	%	1	AM	1/19/16	8542	1/26/16	16:50	SW3546/8082A
decachlorobiphenyl SUR	**73**	30-150	%	1	AM	1/19/16	8542	1/26/16	16:50	SW3546/8082A

Sample#: 35489-002

Sample ID: B-4(0.6'-7')

Matrix: Solid Percent Dry: 90.1% Results expressed on a dry weight basis.

Sampled: 1/12/16 8:40

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	17:19	SW3546/8082A
PCB-1221	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	17:19	SW3546/8082A
PCB-1232	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	17:19	SW3546/8082A
PCB-1242	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	17:19	SW3546/8082A
PCB-1248	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	17:19	SW3546/8082A
PCB-1254	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	17:19	SW3546/8082A
PCB-1260	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	17:19	SW3546/8082A
Surrogate Recovery		**Limits**								
tetrachloro-m-xylene SUR	**104**	30-150	%	1	AM	1/19/16	8542	1/26/16	17:19	SW3546/8082A
decachlorobiphenyl SUR	**90**	30-150	%	1	AM	1/19/16	8542	1/26/16	17:19	SW3546/8082A

Project ID: Canal Plaza 229311
Job ID: 35489

Sample#: 35489-003
Sample ID: B-5(0.8'-2.8')
Matrix: Solid Percent Dry: 94.8% Results expressed on a dry weight basis.
Sampled: 1/12/16 10:00

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
PCB-1016	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	17:49	SW3546/8082A
PCB-1221	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	17:49	SW3546/8082A
PCB-1232	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	17:49	SW3546/8082A
PCB-1242	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	17:49	SW3546/8082A
PCB-1248	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	17:49	SW3546/8082A
PCB-1254	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	17:49	SW3546/8082A
PCB-1260	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	17:49	SW3546/8082A
Surrogate Recovery		**Limits**								
tetrachloro-m-xylene SUR	**100**	30-150	%	1	AM	1/19/16	8542	1/26/16	17:49	SW3546/8082A
decachlorobiphenyl SUR	**86**	30-150	%	1	AM	1/19/16	8542	1/26/16	17:49	SW3546/8082A

Sample#: 35489-004
Sample ID: B-3(0.5'-4.5')
Matrix: Solid Percent Dry: 93.8% Results expressed on a dry weight basis.
Sampled: 1/12/16 11:00

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	18:18	SW3546/8082A
PCB-1221	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	18:18	SW3546/8082A
PCB-1232	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	18:18	SW3546/8082A
PCB-1242	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	18:18	SW3546/8082A
PCB-1248	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	18:18	SW3546/8082A
PCB-1254	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	18:18	SW3546/8082A
PCB-1260	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	18:18	SW3546/8082A
Surrogate Recovery		**Limits**								
tetrachloro-m-xylene SUR	**107**	30-150	%	1	AM	1/19/16	8542	1/26/16	18:18	SW3546/8082A
decachlorobiphenyl SUR	**85**	30-150	%	1	AM	1/19/16	8542	1/26/16	18:18	SW3546/8082A

Project ID: Canal Plaza 229311
Job ID: 35489

Sample#: 35489-005
Sample ID: B-2(0.6'-4.6')
Matrix: Solid Percent Dry: 94.3% Results expressed on a dry weight basis.
Sampled: 1/12/16 12:30

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
PCB-1016	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	18:48	SW3546/8082A
PCB-1221	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	18:48	SW3546/8082A
PCB-1232	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	18:48	SW3546/8082A
PCB-1242	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	18:48	SW3546/8082A
PCB-1248	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	18:48	SW3546/8082A
PCB-1254	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	18:48	SW3546/8082A
PCB-1260	< 0.1	0.1	ug/g	1	AM	1/19/16	8542	1/26/16	18:48	SW3546/8082A
Surrogate Recovery		**Limits**								
tetrachloro-m-xylene SUR	**105**	30-150	%	1	AM	1/19/16	8542	1/26/16	18:48	SW3546/8082A
decachlorobiphenyl SUR	**89**	30-150	%	1	AM	1/19/16	8542	1/26/16	18:48	SW3546/8082A

Sample#: 35489-006
Sample ID: B-1(1'-6')
Matrix: Solid Percent Dry: 91.4% Results expressed on a dry weight basis.
Sampled: 1/12/16 13:45

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	19:17	SW3546/8082A
PCB-1221	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	19:17	SW3546/8082A
PCB-1232	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	19:17	SW3546/8082A
PCB-1242	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	19:17	SW3546/8082A
PCB-1248	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	19:17	SW3546/8082A
PCB-1254	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	19:17	SW3546/8082A
PCB-1260	< 0.2	0.2	ug/g	1	AM	1/19/16	8542	1/26/16	19:17	SW3546/8082A
Surrogate Recovery		**Limits**								
tetrachloro-m-xylene SUR	**63**	30-150	%	1	AM	1/19/16	8542	1/26/16	19:17	SW3546/8082A
decachlorobiphenyl SUR	**50**	30-150	%	1	AM	1/19/16	8542	1/26/16	19:17	SW3546/8082A

Project ID: Canal Plaza 229311

Job ID: 35489

Sample#: 35489-001

Sample ID: B-6 (0.5'-2.5')

Matrix: Solid Percent Dry: 88.1% Results expressed on a dry weight basis.

Sampled: 1/12/16 7:50

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	**12**	1.1	ug/g	1	AC	1/22/16	8549	1/22/16	17:43	SW3051A6010C
Barium	**63**	5	ug/g	1	AC	1/22/16	8549	1/22/16	17:43	SW3051A6010C
Cadmium	< 0.4	0.4	ug/g	1	AC	1/22/16	8549	1/22/16	17:43	SW3051A6010C
Chromium	**23**	5	ug/g	1	AC	1/22/16	8549	1/22/16	17:43	SW3051A6010C
Lead	**200**	1.1	ug/g	1	AC	1/22/16	8549	1/22/16	17:43	SW3051A6010C
Mercury	< 0.20	0.20	ug/g	1	AC	1/27/16	8557	1/27/16	14:01	SW7471B
Selenium	< 5	5	ug/g	1	AC	1/22/16	8549	1/22/16	17:43	SW3051A6010C
Silver	< 0.8	0.8	ug/g	1	AC	1/22/16	8549	1/22/16	17:43	SW3051A6010C

Sample#: 35489-002

Sample ID: B-4(0.6'-7')

Matrix: Solid Percent Dry: 90.1% Results expressed on a dry weight basis.

Sampled: 1/12/16 8:40

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	**11**	1.1	ug/g	1	AC	1/22/16	8549	1/22/16	17:50	SW3051A6010C
Barium	**60**	5	ug/g	1	AC	1/22/16	8549	1/22/16	17:50	SW3051A6010C
Cadmium	< 0.4	0.4	ug/g	1	AC	1/22/16	8549	1/22/16	17:50	SW3051A6010C
Chromium	**26**	5	ug/g	1	AC	1/22/16	8549	1/22/16	17:50	SW3051A6010C
Lead	**220**	1.1	ug/g	1	AC	1/22/16	8549	1/22/16	17:50	SW3051A6010C
Mercury	**0.19**	0.19	ug/g	1	AC	1/27/16	8557	1/27/16	14:03	SW7471B
Selenium	< 5	5	ug/g	1	AC	1/22/16	8549	1/22/16	17:50	SW3051A6010C
Silver	< 0.7	0.7	ug/g	1	AC	1/22/16	8549	1/22/16	17:50	SW3051A6010C

Sample#: 35489-003

Sample ID: B-5(0.8'-2.8')

Matrix: Solid Percent Dry: 94.8% Results expressed on a dry weight basis.

Sampled: 1/12/16 10:00

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	**6.6**	1.1	ug/g	1	AC	1/22/16	8549	1/22/16	17:57	SW3051A6010C
Barium	**30**	5	ug/g	1	AC	1/22/16	8549	1/22/16	17:57	SW3051A6010C
Cadmium	< 0.4	0.4	ug/g	1	AC	1/22/16	8549	1/22/16	17:57	SW3051A6010C
Chromium	**11**	5	ug/g	1	AC	1/22/16	8549	1/22/16	17:57	SW3051A6010C
Lead	**78**	1.1	ug/g	1	AC	1/22/16	8549	1/22/16	17:57	SW3051A6010C
Mercury	< 0.18	0.18	ug/g	1	AC	1/27/16	8557	1/28/16	12:47	SW7471B
Selenium	< 5	5	ug/g	1	AC	1/22/16	8549	1/22/16	17:57	SW3051A6010C
Silver	< 0.7	0.7	ug/g	1	AC	1/22/16	8549	1/22/16	17:57	SW3051A6010C

Project ID: Canal Plaza 229311

Job ID: 35489

Sample#: 35489-004

Sample ID: B-3(0.5'-4.5')

Matrix: Solid Percent Dry: 93.8% Results expressed on a dry weight basis.

Sampled: 1/12/16 11:00

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	**10**	1.0	ug/g	1	AC	1/22/16	8549	1/22/16	18:04	SW3051A6010C
Barium	**51**	5	ug/g	1	AC	1/22/16	8549	1/22/16	18:04	SW3051A6010C
Cadmium	< 0.4	0.4	ug/g	1	AC	1/22/16	8549	1/22/16	18:04	SW3051A6010C
Chromium	**24**	5	ug/g	1	AC	1/22/16	8549	1/22/16	18:04	SW3051A6010C
Lead	**54**	1.0	ug/g	1	AC	1/22/16	8549	1/22/16	18:04	SW3051A6010C
Mercury	< 0.19	0.19	ug/g	1	AC	1/27/16	8557	1/28/16	12:49	SW7471B
Selenium	< 5	5	ug/g	1	AC	1/22/16	8549	1/22/16	18:04	SW3051A6010C
Silver	< 0.7	0.7	ug/g	1	AC	1/22/16	8549	1/22/16	18:04	SW3051A6010C

Sample#: 35489-005

Sample ID: B-2(0.6'-4.6')

Matrix: Solid Percent Dry: 94.3% Results expressed on a dry weight basis.

Sampled: 1/12/16 12:30

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	**8.2**	1.1	ug/g	1	AC	1/22/16	8549	1/22/16	18:33	SW3051A6010C
Barium	**23**	5	ug/g	1	AC	1/22/16	8549	1/22/16	18:33	SW3051A6010C
Cadmium	< 0.4	0.4	ug/g	1	AC	1/22/16	8549	1/22/16	18:33	SW3051A6010C
Chromium	**10**	5	ug/g	1	AC	1/22/16	8549	1/22/16	18:33	SW3051A6010C
Lead	**53**	1.1	ug/g	1	AC	1/22/16	8549	1/22/16	18:33	SW3051A6010C
Mercury	**0.56**	0.19	ug/g	1	AC	1/27/16	8557	1/28/16	12:51	SW7471B
Selenium	< 5	5	ug/g	1	AC	1/22/16	8549	1/22/16	18:33	SW3051A6010C
Silver	< 0.7	0.7	ug/g	1	AC	1/22/16	8549	1/22/16	18:33	SW3051A6010C

Sample#: 35489-006

Sample ID: B-1(1'-6')

Matrix: Solid Percent Dry: 91.4% Results expressed on a dry weight basis.

Sampled: 1/12/16 13:45

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	**12**	1.1	ug/g	1	AC	1/22/16	8549	1/22/16	18:40	SW3051A6010C
Barium	**73**	5	ug/g	1	AC	1/22/16	8549	1/22/16	18:40	SW3051A6010C
Cadmium	< 0.4	0.4	ug/g	1	AC	1/22/16	8549	1/22/16	18:40	SW3051A6010C
Chromium	**20**	5	ug/g	1	AC	1/22/16	8549	1/22/16	18:40	SW3051A6010C
Lead	**480**	1.1	ug/g	1	AC	1/22/16	8549	1/22/16	18:40	SW3051A6010C
Mercury	**0.63**	0.19	ug/g	1	AC	1/27/16	8557	1/28/16	12:52	SW7471B
Selenium	< 5	5	ug/g	1	AC	1/22/16	8549	1/22/16	18:40	SW3051A6010C
Silver	< 0.8	0.8	ug/g	1	AC	1/22/16	8549	1/22/16	18:40	SW3051A6010C

Project ID: Canal Plaza 229311

Job ID: 35489

Sample#: 35489-001

Sample ID: B-6 (0.5'-2.5')

Matrix: Solid Percent Dry: 88.1% Results expressed on a dry weight basis.

Sampled: 1/12/16 7:50

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Cyanide, total	< 0.6	0.6	ug/g	1	APA		1600167	1/19/16		E9014
Sulfide-soluble	< 0.5	0.5	ug/g	1	APA		1600162	1/19/16		SM4500-S2 D+F
Ignitability	**NonIgnitable**			1	AM		1600193	1/21/16		SW1010
pH	**7.8**		pH	1	APA		1600161	1/19/16	3:55	SW9045C

Sample#: 35489-002

Sample ID: B-4(0.6'-7')

Matrix: Solid Percent Dry: 90.1% Results expressed on a dry weight basis.

Sampled: 1/12/16 8:40

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Cyanide, total	< 0.6	0.6	ug/g	1	APA		1600167	1/19/16		E9014
Sulfide-soluble	< 0.4	0.4	ug/g	1	APA		1600162	1/19/16		SM4500-S2 D+F
Ignitability	**NonIgnitable**			1	AM		1600193	1/21/16		SW1010
pH	**8.6**		pH	1	APA		1600161	1/19/16	4:00	SW9045C

Sample#: 35489-003

Sample ID: B-5(0.8'-2.8')

Matrix: Solid Percent Dry: 94.8% Results expressed on a dry weight basis.

Sampled: 1/12/16 10:00

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Cyanide, total	< 0.5	0.5	ug/g	1	APA		1600167	1/19/16		E9014
Sulfide-soluble	< 0.4	0.4	ug/g	1	APA		1600162	1/19/16		SM4500-S2 D+F
Ignitability	**NonIgnitable**			1	AM		1600193	1/21/16		SW1010
pH	**10.1**		pH	1	APA		1600161	1/19/16	4:05	SW9045C

Sample#: 35489-004

Sample ID: B-3(0.5'-4.5')

Matrix: Solid Percent Dry: 93.8% Results expressed on a dry weight basis.

Sampled: 1/12/16 11:00

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Cyanide, total	< 0.5	0.5	ug/g	1	APA		1600167	1/19/16		E9014
Sulfide-soluble	< 0.4	0.4	ug/g	1	APA		1600162	1/19/16		SM4500-S2 D+F
Ignitability	**NonIgnitable**			1	AM		1600193	1/21/16		SW1010
pH	**10.6**		pH	1	APA		1600161	1/19/16	4:10	SW9045C

Project ID: Canal Plaza 229311
Job ID: 35489

Sample#: 35489-005
Sample ID: B-2(0.6'-4.6')
Matrix: Solid Percent Dry: 94.3% Results expressed on a dry weight basis.
Sampled: 1/12/16 12:30

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Cyanide, total	< 0.5	0.5	ug/g	1	APA		1600167	1/19/16		E9014
Sulfide-soluble	< 0.4	0.4	ug/g	1	APA		1600162	1/19/16		SM4500-S2 D+F
Ignitability	**NonIgnitable**			1	AM		1600193	1/21/16		SW1010
pH	**9.1**		pH	1	APA		1600161	1/19/16	4:15	SW9045C

Sample#: 35489-006
Sample ID: B-1(1'-6')
Matrix: Solid Percent Dry: 91.4% Results expressed on a dry weight basis.
Sampled: 1/12/16 13:45

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Cyanide, total	< 0.5	0.5	ug/g	1	APA		1600167	1/19/16		E9014
Sulfide-soluble	< 0.4	0.4	ug/g	1	APA		1600162	1/19/16		SM4500-S2 D+F
Ignitability	**NonIgnitable**			1	AM		1600193	1/21/16		SW1010
pH	**9.7**		pH	1	APA		1600161	1/19/16	4:20	SW9045C

Project ID: 229311 Canal Plaza
Job ID: 35489
Sample #: 35489-007
Sample ID: B-6 (0.5'-2.5')
Matrix: TCLP Extract
Sampled: 1/12/16 7:50
TCLP: 1/25/16

Parameter	Result	Reporting Limit	TCLP Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Lead	**0.11**	0.080	5	mg/L	1	AC	1/26/16	8553	1/26/16	15:49	SW1311 SW3005A6010C

Sample #: 35489-008
Sample ID: B-4(0.6'-7')
Matrix: TCLP Extract
Sampled: 1/12/16 8:40
TCLP: 1/25/16

Parameter	Result	Reporting Limit	TCLP Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Lead	**1.3**	0.080	5	mg/L	1	AC	1/26/16	8553	1/26/16	15:56	SW1311 SW3005A6010C

Sample #: 35489-009
Sample ID: B-1(1'-6')
Matrix: TCLP Extract
Sampled: 1/12/16 13:45
TCLP: 1/25/16

Parameter	Result	Reporting Limit	TCLP Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Lead	**0.44**	0.080	5	mg/L	1	AC	1/26/16	8553	1/26/16	16:25	SW1311 SW3005A6010C

Quality Control Report

124 Heritage Avenue Unit 16
Portsmouth, NH 03801
www.absoluteresourceassociates.com

Case Narrative
Lab # 35489

Sample Receiving and Chain of Custody Discrepancies

Samples were received in acceptable condition, at 2 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.
The asbestos analysis was subcontracted to Asbestos Identification Laboratory of Woburn, MA.
The halogen analysis was subcontracted to TestAmerica Laboratories, Inc., of Nashville, TN.

Calibration

No exceptions noted.

Method Blank

No exceptions noted.

Surrogate Recoveries

No exceptions noted.

Laboratory Control Sample Results

VOC: The MLCS8539 did not meet the acceptance criteria for bromomethane, 4-methyl-2-pentanone (MIBK), bromoform, and naphthalene. The MLCSD8539 did not meet the acceptance criteria for dibromochloromethane, bromoform, and 1,2-dibromo-3-chloropropane (DBCP). Since <10% of the compounds were outside of the acceptance criteria, reanalysis is not required.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results

Not requested for this project.

Other

SVOC: The following sample required a re-analysis at a dilution due to internal standard interferences caused by matrix effect: 35489-006.
Reporting Limits: Dilutions performed during the analysis are noted on the result pages.

No other exceptions noted.

- QC Report -

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits	RPD	RPD Limit
SW5035A8260C	MB8539	dichlorodifluoromethane		<	0.1	ug/g					
		chloromethane		<	0.1	ug/g					
		vinyl chloride		<	0.1	ug/g					
		bromomethane		<	0.2	ug/g					
		chloroethane		<	0.1	ug/g					
		trichlorofluoromethane		<	0.1	ug/g					
		diethyl ether		<	0.5	ug/g					
		acetone		<	2.5	ug/g					
		1,1-dichloroethene		<	0.1	ug/g					
		methylene chloride		<	0.2	ug/g					
		carbon disulfide		<	0.1	ug/g					
		methyl t-butyl ether (MTBE)		<	0.1	ug/g					
		trans-1,2-dichloroethene		<	0.1	ug/g					
		1,1-dichloroethane		<	0.1	ug/g					
		2-butanone (MEK)		<	0.5	ug/g					
		2,2-dichloropropane		<	0.1	ug/g					
		cis-1,2-dichloroethene		<	0.1	ug/g					
		chloroform		<	0.1	ug/g					
		bromochloromethane		<	0.1	ug/g					
		tetrahydrofuran (THF)		<	0.5	ug/g					
		1,1,1-trichloroethane		<	0.1	ug/g					
		1,1-dichloropropene		<	0.1	ug/g					
		carbon tetrachloride		<	0.1	ug/g					
		1,2-dichloroethane		<	0.1	ug/g					
		benzene		<	0.1	ug/g					
		trichloroethene		<	0.1	ug/g					
		1,2-dichloropropane		<	0.1	ug/g					
		bromodichloromethane		<	0.1	ug/g					
		dibromomethane		<	0.1	ug/g					
		4-methyl-2-pentanone (MIBK)		<	0.5	ug/g					
		cis-1,3-dichloropropene		<	0.1	ug/g					
		toluene		<	0.1	ug/g					
		trans-1,3-dichloropropene		<	0.1	ug/g					
		2-hexanone		<	0.5	ug/g					
		1,1,2-trichloroethane		<	0.1	ug/g					
		1,3-dichloropropane		<	0.1	ug/g					
		tetrachloroethene		<	0.1	ug/g					
		dibromochloromethane		<	0.1	ug/g					
		1,2-dibromoethane (EDB)		<	0.1	ug/g					
		chlorobenzene		<	0.1	ug/g					
		1,1,1,2-tetrachloroethane		<	0.1	ug/g					
		ethylbenzene		<	0.1	ug/g					
		m&p-xylenes		<	0.1	ug/g					
		o-xylene		<	0.1	ug/g					
		styrene		<	0.1	ug/g					
		bromoform		<	0.1	ug/g					
		isopropylbenzene		<	0.1	ug/g					
		1,1,2,2-tetrachloroethane		<	0.1	ug/g					
		1,2,3-trichloropropane		<	0.1	ug/g					
		n-propylbenzene		<	0.1	ug/g					

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW5035A8260C	MB8539	bromobenzene		<	0.1	ug/g						
		1,3,5-trimethylbenzene		<	0.1	ug/g						
		2-chlorotoluene		<	0.1	ug/g						
		4-chlorotoluene		<	0.1	ug/g						
		tert-butylbenzene		<	0.1	ug/g						
		1,2,4-trimethylbenzene		<	0.1	ug/g						
		sec-butylbenzene		<	0.1	ug/g						
		1,3-dichlorobenzene		<	0.1	ug/g						
		4-isopropyltoluene		<	0.1	ug/g						
		1,4-dichlorobenzene		<	0.1	ug/g						
		1,2-dichlorobenzene		<	0.1	ug/g						
		n-butylbenzene		<	0.1	ug/g						
		1,2-dibromo-3-chloropropane (DBCP)		<	0.1	ug/g						
		1,2,4-trichlorobenzene		<	0.1	ug/g						
		hexachlorobutadiene		<	0.1	ug/g						
		naphthalene		<	0.2	ug/g						
		1,2,3-trichlorobenzene		<	0.1	ug/g						
		dibromofluoromethane SUR			81	%			78	114		
		toluene-D8 SUR			100	%			88	110		
		4-bromofluorobenzene SUR			95	%			86	115		
		a,a,a-trifluorotoluene SUR			111	%			70	130		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R		Limits		RPD	RPD Limit
SW5035A8260C	MLCS8539	dichlorodifluoromethane			0.8	ug/g	1	80		70	130		
		chloromethane			1.0	ug/g	1	102		70	130		
		vinyl chloride			0.9	ug/g	1	86		70	130		
		bromomethane			0.6	ug/g	1	59	*	70	130		
		chloroethane			1.1	ug/g	1	105		70	130		
		trichlorofluoromethane			1.0	ug/g	1	101		70	130		
		diethyl ether			1.2	ug/g	1	116		70	130		
		acetone		<	2.5	ug/g	1	131					
		1,1-dichloroethene			1.1	ug/g	1	106		70	130		
		methylene chloride			1.1	ug/g	1	110		70	130		
		carbon disulfide			0.7	ug/g	1	75		70	130		
		methyl t-butyl ether (MTBE)			1.1	ug/g	1	109		70	130		
		trans-1,2-dichloroethene			1.1	ug/g	1	108		70	130		
		1,1-dichloroethane			1.0	ug/g	1	102		70	130		
		2-butanone (MEK)			1.2	ug/g	1	124		70	130		
		2,2-dichloropropane			0.9	ug/g	1	94		70	130		
		cis-1,2-dichloroethene			1.0	ug/g	1	104		70	130		
		chloroform			1.0	ug/g	1	99		70	130		
		bromochloromethane			1.0	ug/g	1	96		70	130		
		tetrahydrofuran (THF)			1.3	ug/g	1	127		70	130		
		1,1,1-trichloroethane			1.0	ug/g	1	97		70	130		
		1,1-dichloropropene			1.0	ug/g	1	105		70	130		
		carbon tetrachloride			0.8	ug/g	1	84		70	130		
		1,2-dichloroethane			1.1	ug/g	1	107		70	130		
		benzene			1.1	ug/g	1	107		70	130		
		trichloroethene			1.0	ug/g	1	102		70	130		
		1,2-dichloropropane			1.0	ug/g	1	101		70	130		
		bromodichloromethane			0.8	ug/g	1	83		70	130		
		dibromomethane			1.0	ug/g	1	99		70	130		
		4-methyl-2-pentanone (MIBK)			1.3	ug/g	1	131	*	70	130		
		cis-1,3-dichloropropene			0.9	ug/g	1	88		70	130		
		toluene			1.1	ug/g	1	109		70	130		
		trans-1,3-dichloropropene			0.9	ug/g	1	87		70	130		
		2-hexanone			1.2	ug/g	1	124		70	130		
		1,1,2-trichloroethane			1.0	ug/g	1	104		70	130		
		1,3-dichloropropane			1.0	ug/g	1	104		70	130		
		tetrachloroethene			1.0	ug/g	1	101		70	130		
		dibromochloromethane			0.7	ug/g	1	71		70	130		
		1,2-dibromoethane (EDB)			1.1	ug/g	1	106		70	130		
		chlorobenzene			1.0	ug/g	1	104		70	130		
		1,1,1,2-tetrachloroethane			0.8	ug/g	1	83		70	130		
		ethylbenzene			1.1	ug/g	1	106		70	130		
		m&p-xylenes			2.2	ug/g	2	108		70	130		
		o-xylene			1.1	ug/g	1	109		70	130		
		styrene			1.1	ug/g	1	109		70	130		
		bromoform			0.6	ug/g	1	63	*	70	130		
		isopropylbenzene			1.0	ug/g	1	101		70	130		
		1,1,2,2-tetrachloroethane			1.0	ug/g	1	102		70	130		
		1,2,3-trichloropropane			1.1	ug/g	1	109		70	130		
		n-propylbenzene			1.0	ug/g	1	98		70	130		
		bromobenzene			1.0	ug/g	1	98		70	130		

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R		Limits		RPD	RPD Limit
SW5035A8260C	MLCS8539	1,3,5-trimethylbenzene		1.0	ug/g	1	103		70	130		
		2-chlorotoluene		1.0	ug/g	1	100		70	130		
		4-chlorotoluene		1.0	ug/g	1	103		70	130		
		tert-butylbenzene		1.0	ug/g	1	97		70	130		
		1,2,4-trimethylbenzene		1.0	ug/g	1	101		70	130		
		sec-butylbenzene		1.0	ug/g	1	98		70	130		
		1,3-dichlorobenzene		1.0	ug/g	1	104		70	130		
		4-isopropyltoluene		1.0	ug/g	1	102		70	130		
		1,4-dichlorobenzene		1.0	ug/g	1	103		70	130		
		1,2-dichlorobenzene		1.1	ug/g	1	105		70	130		
		n-butylbenzene		1.0	ug/g	1	99		70	130		
		1,2-dibromo-3-chloropropane (DBCP)		0.8	ug/g	1	78		70	130		
		1,2,4-trichlorobenzene		1.1	ug/g	1	114		70	130		
		hexachlorobutadiene		1.0	ug/g	1	97		70	130		
		naphthalene		1.4	ug/g	1	141	*	70	130		
		1,2,3-trichlorobenzene		1.3	ug/g	1	127		70	130		
		dibromofluoromethane SUR		94	%				78	114		
		toluene-D8 SUR		104	%				88	110		
		4-bromofluorobenzene SUR		101	%				86	115		
		a,a,a-trifluorotoluene SUR		102	%				70	130		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R		Limits		RPD	RPD Limit
SW5035A8260C	MLCSD8539	dichlorodifluoromethane			0.8	ug/g	1	77		70	130	4	30
		chloromethane			1.0	ug/g	1	97		70	130	4	30
		vinyl chloride			0.9	ug/g	1	85		70	130	1	30
		bromomethane			0.7	ug/g	1	72		70	130	20	30
		chloroethane			1.0	ug/g	1	101		70	130	4	30
		trichlorofluoromethane			1.0	ug/g	1	97		70	130	4	30
		diethyl ether			1.1	ug/g	1	112		70	130	4	30
		acetone		<	2.5	ug/g	1	127				3	30
		1,1-dichloroethene			1.0	ug/g	1	103		70	130	3	30
		methylene chloride			1.1	ug/g	1	107		70	130	3	30
		carbon disulfide			0.7	ug/g	1	72		70	130	3	30
		methyl t-butyl ether (MTBE)			1.0	ug/g	1	104		70	130	5	30
		trans-1,2-dichloroethene			1.1	ug/g	1	105		70	130	3	30
		1,1-dichloroethane			1.0	ug/g	1	100		70	130	1	30
		2-butanone (MEK)			1.1	ug/g	1	115		70	130	7	30
		2,2-dichloropropane			0.9	ug/g	1	89		70	130	5	30
		cis-1,2-dichloroethene			1.0	ug/g	1	101		70	130	3	30
		chloroform			1.0	ug/g	1	96		70	130	3	30
		bromochloromethane			0.9	ug/g	1	91		70	130	5	30
		tetrahydrofuran (THF)			1.1	ug/g	1	110		70	130	14	30
		1,1,1-trichloroethane			0.9	ug/g	1	94		70	130	4	30
		1,1-dichloropropene			1.0	ug/g	1	101		70	130	4	30
		carbon tetrachloride			0.8	ug/g	1	81		70	130	3	30
		1,2-dichloroethane			1.0	ug/g	1	104		70	130	3	30
		benzene			1.1	ug/g	1	105		70	130	2	30
		trichloroethene			1.0	ug/g	1	101		70	130	2	30
		1,2-dichloropropane			1.0	ug/g	1	98		70	130	2	30
		bromodichloromethane			0.8	ug/g	1	80		70	130	4	30
		dibromomethane			0.9	ug/g	1	93		70	130	6	30
		4-methyl-2-pentanone (MIBK)			1.1	ug/g	1	113		70	130	15	30
		cis-1,3-dichloropropene			0.9	ug/g	1	85		70	130	3	30
		toluene			1.1	ug/g	1	106		70	130	3	30
		trans-1,3-dichloropropene			0.8	ug/g	1	83		70	130	4	30
		2-hexanone			1.1	ug/g	1	111		70	130	11	30
		1,1,2-trichloroethane			1.0	ug/g	1	98		70	130	6	30
		1,3-dichloropropane			1.0	ug/g	1	102		70	130	2	30
		tetrachloroethene			1.0	ug/g	1	100		70	130	1	30
		dibromochloromethane			0.7	ug/g	1	69	*	70	130	3	30
		1,2-dibromoethane (EDB)			1.0	ug/g	1	100		70	130	6	30
		chlorobenzene			1.0	ug/g	1	105		70	130	1	30
		1,1,1,2-tetrachloroethane			0.8	ug/g	1	81		70	130	4	30
		ethylbenzene			1.0	ug/g	1	104		70	130	2	30
		m&p-xylenes			2.1	ug/g	2	107		70	130	1	30
		o-xylene			1.1	ug/g	1	107		70	130	1	30
		styrene			1.1	ug/g	1	108		70	130	1	30
		bromoform			0.6	ug/g	1	58	*	70	130	8	30
		isopropylbenzene			1.0	ug/g	1	100		70	130	1	30
		1,1,2,2-tetrachloroethane			0.9	ug/g	1	95		70	130	7	30
		1,2,3-trichloropropane			1.0	ug/g	1	101		70	130	8	30
		n-propylbenzene			1.0	ug/g	1	97		70	130	1	30
		bromobenzene			1.0	ug/g	1	97		70	130	2	30

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R		Limits		RPD	RPD Limit
SW5035A8260C	MLCSD8539	1,3,5-trimethylbenzene		1.0	ug/g	1	103		70	130	0	30
		2-chlorotoluene		1.0	ug/g	1	100		70	130	0	30
		4-chlorotoluene		1.0	ug/g	1	103		70	130	0	30
		tert-butylbenzene		1.0	ug/g	1	99		70	130	1	30
		1,2,4-trimethylbenzene		1.0	ug/g	1	100		70	130	1	30
		sec-butylbenzene		1.0	ug/g	1	96		70	130	2	30
		1,3-dichlorobenzene		1.0	ug/g	1	102		70	130	2	30
		4-isopropyltoluene		1.0	ug/g	1	100		70	130	3	30
		1,4-dichlorobenzene		1.0	ug/g	1	101		70	130	2	30
		1,2-dichlorobenzene		1.0	ug/g	1	102		70	130	3	30
		n-butylbenzene		1.0	ug/g	1	98		70	130	1	30
		1,2-dibromo-3-chloropropane (DBCP)		0.7	ug/g	1	66	*	70	130	17	30
		1,2,4-trichlorobenzene		1.1	ug/g	1	106		70	130	8	30
		hexachlorobutadiene		0.9	ug/g	1	95		70	130	2	30
		naphthalene		1.2	ug/g	1	124		70	130	13	30
		1,2,3-trichlorobenzene		1.2	ug/g	1	116		70	130	9	30
		dibromofluoromethane SUR		94	%				78	114		
		toluene-D8 SUR		101	%				88	110		
		4-bromofluorobenzene SUR		104	%				86	115		
		a,a,a-trifluorotoluene SUR		100	%				70	130		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3546/8082A	BLK8542	PCB-1016		<	0.1	ug/g						
		PCB-1221		<	0.1	ug/g						
		PCB-1232		<	0.1	ug/g						
		PCB-1242		<	0.1	ug/g						
		PCB-1248		<	0.1	ug/g						
		PCB-1254		<	0.1	ug/g						
		PCB-1260		<	0.1	ug/g						
		tetrachloro-m-xylene SUR			109	%			30	150		
		decachlorobiphenyl SUR			90	%			30	150		
SW3546/8082A	LCS8542	PCB-1016			2.0	ug/g	2	99	40	140		
		PCB-1221		<	0.1	ug/g						
		PCB-1232		<	0.1	ug/g						
		PCB-1242		<	0.1	ug/g						
		PCB-1248		<	0.1	ug/g						
		PCB-1254		<	0.1	ug/g						
		PCB-1260			2.2	ug/g	2	111	40	140		
		tetrachloro-m-xylene SUR			115	%			30	150		
		decachlorobiphenyl SUR			98	%			30	150		
SW3546/8082A	LCSD8542	PCB-1016			2.2	ug/g	2	109	40	140	10	30
		PCB-1221		<	0.1	ug/g						
		PCB-1232		<	0.1	ug/g						
		PCB-1242		<	0.1	ug/g						
		PCB-1248		<	0.1	ug/g						
		PCB-1254		<	0.1	ug/g						
		PCB-1260			2.5	ug/g	2	123	40	140	10	30
		tetrachloro-m-xylene SUR			120	%			30	150		
		decachlorobiphenyl SUR			103	%			30	150		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits	RPD	RPD Limit
SW3546/8270D	BLK8547	N-nitrosodimethylamine		<	0.20	ug/g					
		aniline		<	0.20	ug/g					
		phenol		<	0.20	ug/g					
		2-chlorophenol		<	0.50	ug/g					
		bis(2-chloroethyl)ether		<	0.20	ug/g					
		1,3-dichlorobenzene		<	0.20	ug/g					
		1,4-dichlorobenzene		<	0.20	ug/g					
		1,2-dichlorobenzene		<	0.20	ug/g					
		benzyl alcohol		<	0.20	ug/g					
		2-methylphenol		<	0.20	ug/g					
		bis(2-chloroisopropyl) ether		<	0.20	ug/g					
		hexachloroethane		<	0.20	ug/g					
		N-nitroso-di-N-propylamine		<	0.20	ug/g					
		4-methylphenol		<	0.20	ug/g					
		nitrobenzene		<	0.20	ug/g					
		isophorone		<	0.50	ug/g					
		2-nitrophenol		<	0.20	ug/g					
		2,4-dimethylphenol		<	0.20	ug/g					
		bis(2-chloroethoxy)methane		<	0.50	ug/g					
		2,4-dichlorophenol		<	0.50	ug/g					
		1,2,4-trichlorobenzene		<	0.50	ug/g					
		naphthalene		<	0.050	ug/g					
		benzoic acid		<	5.0	ug/g					
		4-chloroaniline		<	0.20	ug/g					
		hexachlorobutadiene		<	0.20	ug/g					
		4-chloro-3-methylphenol		<	0.20	ug/g					
		2-methylnaphthalene		<	0.050	ug/g					
		hexachlorocyclopentadiene		<	1.0	ug/g					
		2,4,6-trichlorophenol		<	0.20	ug/g					
		2,4,5-trichlorophenol		<	0.20	ug/g					
		2-chloronaphthalene		<	0.50	ug/g					
		2-nitroaniline		<	0.20	ug/g					
		acenaphthylene		<	0.050	ug/g					
		dimethylphthalate		<	0.50	ug/g					
		2,6-dinitrotoluene		<	0.20	ug/g					
		2,4-dinitrotoluene		<	0.20	ug/g					
		acenaphthene		<	0.050	ug/g					
		3-nitroaniline		<	0.20	ug/g					
		2,4-dinitrophenol		<	5.0	ug/g					
		dibenzofuran		<	0.050	ug/g					
		4-nitrophenol		<	1.0	ug/g					
		fluorene		<	0.050	ug/g					
		diethyl phthalate		<	0.50	ug/g					
		4-chlorophenyl phenyl ether		<	0.50	ug/g					
		4-nitroaniline		<	0.50	ug/g					
		4,6-dinitro-2-methylphenol		<	2.0	ug/g					
		azobenzene		<	0.20	ug/g					
		N-nitrosodiphenylamine		<	0.20	ug/g					
		4-bromophenyl phenyl ether		<	0.20	ug/g					
		hexachlorobenzene		<	0.20	ug/g					
		pentachlorophenol		<	1.0	ug/g					

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3546/8270D	BLK8547	phenanthrene		<	0.050	ug/g						
		anthracene		<	0.050	ug/g						
		carbazole		<	0.20	ug/g						
		di-n-butylphthalate		<	0.50	ug/g						
		fluoranthene		<	0.050	ug/g						
		benzidine		<	3.0	ug/g						
		pyrene		<	0.050	ug/g						
		butyl benzyl phthalate		<	0.50	ug/g						
		benzo(a)anthracene		<	0.050	ug/g						
		chrysene		<	0.050	ug/g						
		3,3'-dichlorobenzidine		<	3.0	ug/g						
		bis(2-ethylhexyl)phthalate		<	0.50	ug/g						
		di-n-octyl phthalate		<	0.20	ug/g						
		benzo(b)fluoranthene		<	0.050	ug/g						
		benzo(k)fluoranthene		<	0.050	ug/g						
		benzo(a)pyrene		<	0.020	ug/g						
		indeno(1,2,3-cd)pyrene		<	0.050	ug/g						
		dibenzo(a,h)anthracene		<	0.050	ug/g						
		benzo(g,h,i)perylene		<	0.050	ug/g						
		2-fluorophenol SUR			69	%			21	100		
		phenol-D5 SUR			72	%			10	102		
		2,4,6-tribromophenol SUR			78	%			10	123		
		nitrobenzene-D5 SUR			69	%			35	114		
		2-fluorobiphenyl SUR			69	%			43	116		
		p-terphenyl-D14 SUR			86	%			33	141		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3546/8270D	LCS8547	N-nitrosodimethylamine			2.2	ug/g	4	54	40	140		
		aniline			1.7	ug/g	4	43	40	140		
		phenol			2.9	ug/g	4	72	30	130		
		2-chlorophenol			2.7	ug/g	4	66	30	130		
		bis(2-chloroethyl)ether			2.9	ug/g	4	73	40	140		
		1,3-dichlorobenzene			2.3	ug/g	4	58	40	140		
		1,4-dichlorobenzene			2.1	ug/g	4	53	40	140		
		1,2-dichlorobenzene			2.5	ug/g	4	62	40	140		
		benzyl alcohol			2.8	ug/g	4	69	30	130		
		2-methylphenol			2.8	ug/g	4	70	30	130		
		bis(2-chloroisopropyl) ether			2.5	ug/g	4	62	40	140		
		hexachloroethane			2.4	ug/g	4	60	40	140		
		N-nitroso-di-N-propylamine			2.6	ug/g	4	66	40	140		
		4-methylphenol			2.8	ug/g	4	71	30	130		
		nitrobenzene			2.7	ug/g	4	67	40	140		
		isophorone			2.7	ug/g	4	68	40	140		
		2-nitrophenol			2.5	ug/g	4	63	30	130		
		2,4-dimethylphenol			2.6	ug/g	4	66	30	130		
		bis(2-chloroethoxy)methane			2.8	ug/g	4	71	40	140		
		2,4-dichlorophenol			2.6	ug/g	4	66	30	130		
		1,2,4-trichlorobenzene			2.4	ug/g	4	60	40	140		
		naphthalene			2.5	ug/g	4	62	40	140		
		benzoic acid		<	5.0	ug/g						
		4-chloroaniline			2.1	ug/g	4	52	40	140		
		hexachlorobutadiene			2.3	ug/g	4	57	40	140		
		4-chloro-3-methylphenol			3.1	ug/g	4	77	30	130		
		2-methylnaphthalene			2.7	ug/g	4	68	40	140		
		hexachlorocyclopentadiene			2.1	ug/g	4	52	40	140		
		2,4,6-trichlorophenol			2.8	ug/g	4	70	30	130		
		2,4,5-trichlorophenol			2.8	ug/g	4	71	30	130		
		2-chloronaphthalene			2.6	ug/g	4	64	40	140		
		2-nitroaniline			3.3	ug/g	4	81	40	140		
		acenaphthylene			3.0	ug/g	4	74	40	140		
		dimethylphthalate			3.2	ug/g	4	80	40	140		
		2,6-dinitrotoluene			3.1	ug/g	4	77	40	140		
		2,4-dinitrotoluene			3.2	ug/g	4	81	40	140		
		acenaphthene			2.7	ug/g	4	67	40	140		
		3-nitroaniline			2.9	ug/g	4	72	40	140		
		2,4-dinitrophenol		<	5.0	ug/g						
		dibenzofuran			2.9	ug/g	4	74	40	140		
		4-nitrophenol			4.2	ug/g	4	106	30	130		
		fluorene			3.2	ug/g	4	79	40	140		
		diethyl phthalate			3.4	ug/g	4	86	40	140		
		4-chlorophenyl phenyl ether			2.9	ug/g	4	72	40	140		
		4-nitroaniline			3.3	ug/g	4	82	40	140		
		4,6-dinitro-2-methylphenol			2.9	ug/g						
		azobenzene			3.1	ug/g	4	77	40	140		
		di-n-butylphthalate			3.1	ug/g	4	78	40	140		
		fluoranthene			3.0	ug/g	4	74	40	140		
		benzidine		<	3.0	ug/g						
		pyrene			2.9	ug/g	4	74	40	140		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3546/8270D	LCS8547	butyl benzyl phthalate			3.5	ug/g	4	88	40	140		
		benzo(a)anthracene			3.2	ug/g	4	81	40	140		
		chrysene			3.3	ug/g	4	82	40	140		
		3,3'-dichlorobenzidine		<	3.0	ug/g						
		bis(2-ethylhexyl)phthalate			3.1	ug/g	4	77	40	140		
		di-n-octyl phthalate			3.2	ug/g	4	80	40	140		
		benzo(b)fluoranthene			2.9	ug/g	4	72	40	140		
		benzo(k)fluoranthene			3.2	ug/g	4	81	40	140		
		benzo(a)pyrene			3.2	ug/g	4	79	40	140		
		indeno(1,2,3-cd)pyrene			3.3	ug/g	4	82	40	140		
		dibenzo(a,h)anthracene			3.2	ug/g	4	80	40	140		
		benzo(g,h,i)perylene			3.2	ug/g	4	80	40	140		
		2-fluorophenol SUR			70	%			21	100		
		phenol-D5 SUR			73	%			10	102		
		2,4,6-tribromophenol SUR			86	%			10	123		
		nitrobenzene-D5 SUR			70	%			35	114		
		2-fluorobiphenyl SUR			72	%			43	116		
		p-terphenyl-D14 SUR			87	%			33	141		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3005A6010C	BLK8553	Lead		<	0.01	mg/L						
SW3005A6010C	LCS8553	Lead			0.50	mg/L	0.5	101	80	120		
SW3005A6010C	LCSD8553	Lead			0.52	mg/L	0.5	104	80	120	3	20
SW3005A6010C	MS8553	Lead	35489-009		5.6	mg/L	5	104	75	125		
SW3051A6010C	BLK8549	Silver		<	0.25	ug/g						
		Arsenic		<	0.50	ug/g						
		Barium		<	2.5	ug/g						
		Cadmium		<	0.20	ug/g						
		Chromium		<	2.5	ug/g						
		Lead		<	0.50	ug/g						
		Selenium		<	2.5	ug/g						
SW3051A6010C	CRM8549	Silver			48	ug/g	38		25.1	51.9		
		Arsenic			430	ug/g	400		292	508		
		Barium			23	ug/g	25		0	51.3		
		Cadmium			16	ug/g	15		8.71	22		
		Chromium			14	ug/g	14		2.45	24.7		
		Lead			5500	ug/g	5100		3750	6470		
		Selenium			8.1	ug/g	6.6		0	18.4		
SW3051A6010C	CRMD8549	Silver			46	ug/g	38		25.1	51.9	5	35
		Arsenic			430	ug/g	400		292	508	1	35
		Barium			25	ug/g	25		0	51.3	11	35
		Cadmium			16	ug/g	15		8.71	22	4	35
		Chromium			15	ug/g	14		2.45	24.7	6	35
		Lead			5600	ug/g	5100		3750	6470	1	35
		Selenium			7.7	ug/g	6.6		0	18.4	5	35
SW3051A6010C	DUP8549	Arsenic	35527-001		4.7	ug/g					8	35
		Selenium	35527-001	<	9.5	ug/g					53	35
SW3051A6010C	MS8549	Arsenic	35527-001		99	ug/g	101	93	75	125		
		Selenium	35527-001		89	ug/g	101	86	75	125		
SW7471B	BLK8557	Mercury		<	0.14	ug/g						
SW7471B	CRM8557	Mercury			1.7	ug/g	1.1		0.49	1.76		
SW7471B	CRMD8557	Mercury			1.7	ug/g	1.1		0.49	1.76	0	35
SW7471B	MS8557	Mercury	35527-001		0.85	ug/g	0.825	89	80	120		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
E9014	LCS1600167	Cyanide, total			12	ug/g	12	97	75	125		
E9014	LCSD1600167	Cyanide, total			12	ug/g	12	98	75	125	1	20
E9014	PB1600167	Cyanide, total		<	0.5	ug/g						
SM4500-S2 D+F	LCS1600162	Sulfide-soluble			9.2	ug/g	10	92	90	110		
SM4500-S2 D+F	LCSD1600162	Sulfide-soluble			9.1	ug/g	10	91	90	110		20
SM4500-S2 D+F	PB1600162	Sulfide-soluble		<	0.4	ug/g						
SW9045C	DUP1600161	pH	35489-006		9.6	pH						

Absolute Resource associates
124 Heritage Avenue #16
Portsmouth, NH 03801
603-436-2001
absoluteresourceassociates.com

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

35489

Company Name: Woodard & Curran
Company Address: 41 Hutchins Dr., Portland, ME 04102
Report To: Jedd Steinglass
Phone #: (207) 756-2319
Invoice to Email: jsteinglass@woodardcurran.com
☐ Hard Copy Invoice Required

Project Name: Canal Plaza
Project #: 229311
Project Location: NH MA ME VT NY Other
Protocol: RCRA SDWA NPDES MCP NHDES OTHER
Reporting Limits: QAPP GW-1 S-1 EPA DW Other
Quote # ☐ NH Reimbursement Pricing
PO #

ANALYSIS REQUEST

☐ VOC 8260 ☐ VOC 8260 NHDES ☐ VOC 8260 MADEP
☐ VOC 624 ☐ VOC BTEX ☐ MtBE, only ☐ VOC 8021VT
☐ VPH MADEP ☐ MEGRO ☐ GRO 8015 ☐ 1,4-Dioxane
☐ VOC 524.2 ☐ VOC 524.2 NH List ☐ Gases-List:
☐ TPH ☐ DRO 8015 ☐ MEDRO ☐ EPH MADEP ☐ TPH Fingerprint
☐ 8270PAH ☒ 8270ABN ☐ 625 ☐ EDB
☐ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB ☐ w/methods
☐ O&G 1664 ☐ Mineral O&G SM5520F
☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity
☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ Alkalinity
☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals ☐ Hardness
☐ Total Metals-list: RCRA @ pu fuel A 1/15/16
☐ Dissolved Metals-list:
☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TON ☐ TOC
☐ T-Phosphorus ☐ Phenols ☐ Bacteria P/A ☐ Bacteria MPN
☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P
☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride
☐ Corrosivity ☒ Reactive CN ☒ Reactive S- ☐ Ignitibility/FP
☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide PCBs
Subcontract: ☐ Grain Size ☐ Herbicides ☐ Formaldehyde
% Solids, Asbestos, pH as Corrosivity
TOX *w/ ABN
Grab (G) or Composite (C)

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH VOCs	Sampling: DATE	TIME	SAMPLER
35489-01	B-6 (0.5-2.5')	5		X						X	1-12-16	0750	DD
-02	B-4 (0.6-7')	5		X						X	1-12-16	0840	DD
-03	B-5 (0.5-2.5')	5		X						X	1-12-16	1000	DD
-04	B-3 (0.5-4.5')	5		X						X	1-12-16	1100	DD
-05	B-2 (0.6-4.6')	5		X						X	1-12-16	1230	DD
-06	B-1 (1'-6')	5		X						X	1-12-16	1345	DD

TAT REQUESTED
Priority (24 hr)* ☐
Expedited (48 hr)* ☐
Standard (10 Business Days) ☐
*Date Needed _____

See absoluteresourceassociates.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS
Homogenize samples in preparation for analysis.
TCLP for RCRA 8 metals

REPORTING INSTRUCTIONS ☐ PDF (e-mail address) _____
☐ HARD COPY REQUIRED ☐ FAX (FAX#) _____

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 2 °C

CUSTODY RECORD
QSD-01 Revision 10/14/15

Relinquished by Sampler:	Date	Time	Received by:	Date	Time
[signature]	1/14/16	1100	[signature]	1/14/16	1100
Relinquished by: [signature]	1/14/16	1410	Received by:	Date	Time
Relinquished by:	Date	Time	Received by Laboratory: [signature]	1/14/16	14:10

Asbestos Identification Laboratory

165 New Boston St., Ste 271
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com
Email: mikemanning@asbestosidentificationlab.com

Batch: 11061

NVLAP®
Lab Code: 200919-0

January 21, 2016

Aaron DeWees
Absolute Resource Associates
124 Heritage Ave
Apt 10
Portsmouth, NH 03801

Project Number:
Project Name: 35489

Date Sampled: 2016-01-12
Work Received: 2016-01-19

Analysis Method: PLM POINT COUNT

Dear Aaron DeWees,

Asbestos Identification Laboratory has completed the analysys of the samples from your office for the above referenced project .

The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.

Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations Department of Health Certification: AAL-121

Thank you Aaron DeWees for your business.

Michael Manning
Owner/Director

January 21, 2016

Aaron DeWees
Absolute Resource Associates
124 Heritage Ave
Apt 10
Portsmouth, NH 03801

Project Number:
Project Name: 35489

Date Sampled: 2016-01-12
Work Received: 2016-01-19

Analysis Method: PLM POINT COUNT

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
35989-01 / 119675	B-6(0.5'-2.5')		brown	Non-Fibrous 100	None Detected
35989-02 / 119676	B-4(0.6'-7')		brown	Non-Fibrous 100	None Detected
35989-03 / 119677	B-5(0.8'-2.8')		brown	Non-Fibrous 100	None Detected
35989-04 / 119678	B-3(0.5'-4.5')		brown	Non-Fibrous 100	None Detected
35989-05 / 119679	B-2(0.6'-4.6')		brown	Cellulose 2 Non-Fibrous 98	None Detected
35989-06 / 119680	B-1(1'-6')		brown	Non-Fibrous 100	None Detected

Thursday 21 January
Analyzed by: Michael Manning

End of Report

Batch: 11061

Batch #11061

1/2

Client: ARA
Address: Portsmouth, NH
Project Site & #: 35489
Phone / FAX#: 603-436-2001
Contact: Aaron DeWees
Relinquish by/date: 11/18/16
Received by/date: 11/19/16
# of Samples Received: 6

CHAIN OF CUSTODY

EPA/600/R-93/116

Asbestos Identification Lab

165-U New Boston St.
Suite 271
Woburn, MA 01801
(781)932-9600
www.asbestosidentificationlab.com

Date Sampled: 11/2/16

Method for the determination of asbestos in bulk building materials.

Turnaround Time

- [ ] Rush
- [ ] Same Day
- [ ] Next Day
- [x] Two Day

Sample Method

- [ ] Bulk
- [x] Soil
- [ ] Wipe
- [ ] Point Count

Stop on 1st Positive? Yes/No
Notify Method: Mail/E-Mail/Verbal
Anayzed By: Michael Hunt
Date: 11/21/16

Temp in Celcius = 21

Lab ID# (Lab Use Only)	Field ID/Sample Date (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Asbestos %	Optical Properties: Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI:	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
11967S		Material: B-6(0.5'-2.5') Location: 35489-01	0	Br	N	any		Chrysotile Amosite Crocidolite Tremolite Anthophylite Actinolite															100
2		Material: B-4(0.6'-7') Location: 35489-02	0	Br	N	any		Chrysotile Amosite Crocidolite Tremolite Anthophylite Actinolite															100
3		Material: B-5(0.8'-2.8') Location: 35489-03	0	Br	N	any		Chrysotile Amosite Crocidolite Tremolite Anthophylite															100

Lab ID# (Lab Use Only)	Field ID/Sample Date (Client Reference)	Temp in Celcius = 21 / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: —	RI: +	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellouse	Hair	Synthetic	Other	Non-Fibrous
78		Material: B-3(0.5'-4.5') / Location: 35489-04	0	Br	N	any	Y	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophylite																
								Actinolite															100	
79		Material: B-2(0.6'-4.6') / Location: 35489-05	0	Br	N	any	Y	Chrysotile																
								Amosite																
								Crocidolite												H				
								Tremolite																
								Anthophylite												2				98
								Actinolite																
11968		Material: B-1(1'-6') / Location: 35489-06	0	Br	N	any	Y	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophylite																
								Actinolite															100	
		Material / Location						Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophylite																
								Actinolite																
		Material / Location						Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophylite																
								Actinolite																

Absolute Resource associates
124 Heritage Avenue #16
Portsmouth, NH 03801
603-436-2001
absoluteresourceassociates.com

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

35489

Company Name: Woodard & Curran
Company Address: 41 Hutchins Dr., Portland, ME 04102
Report To: Jedd Steinglass
Phone #: (207) 756-2319
Invoice to Email: jsteinglass@woodardcurran.com
☐ Hard Copy Invoice Required

Project Name: Canal Plaza
Project #: 229311
Project Location: NH MA ME VT NY Other
Protocol: RCRA SDWA NPDES MCP NHDES OTHER
Reporting Limits: QAPP GW-1 S-1 EPA DW Other
Quote # ☐ NH Reimbursement Pricing
PO #

ANALYSIS REQUEST

☒ VOC 8260 ☐ VOC 8260 NHDES ☐ VOC 8260 MADEP
☐ VOC 624 ☐ VOC BTEX ☐ MtBE, only ☐ VOC 8021VT
☐ VPH MADEP ☐ MEGRO ☐ GRO 8015 ☐ 1,4-Dioxane
☐ VOC 524.2 ☐ VOC 524.2 NH List ☐ Gases-List:
☐ TPH ☐ DRO 8015 ☐ MEDRO ☐ EPH MADEP ☐ TPH Fingerprint
☐ 8270PAH ☒ 8270ABN ☐ 625 ☐ EDB
☒ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB ☒ 8 w/methods
☐ O&G 1664 ☐ Mineral O&G SM5520F
☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity
☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ Alkalinity
☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals ☐ Hardness
☒ Total Metals-list: RCRA @ per EdA 1/15/16
☐ Dissolved Metals-list:
☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TON ☐ TOC
☐ T-Phosphorus ☐ Phenols ☐ Bacteria P/A ☐ Bacteria MPN
☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P
☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride
☒ Corrosivity ☒ Reactive CN ☒ Reactive S- ☐ Ignitibility/FP
☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide RCRA
Subcontract: ☐ Grain Size ☐ Herbicides ☐ Formaldehyde
% Solids, Asbestos, pH as Corrosivity
TOX *w/ ABN

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH VOCs	Sampling: DATE	TIME	SAMPLER	Grab (G) or Composite (C)
35489-01	B-6 (0.5-2.5')	5		X						X	1-12-16	0750	DD	C
-02	B-4 (0.6-7')	5		X						X	1-12-16	0840	DD	C
-03	B-5 (0.5-2.5')	5		X						X	1-12-16	1000	DD	C
-04	B-3 (0.5-4.5')	5		X						X	1-12-16	1100	DD	C
-05	B-2 (0.6-4.6')	5		X						X	1-12-16	1230	DD	C
-06	B-1 (1'-6')	5		X						X	1-12-16	1345	DD	C

TAT REQUESTED
Priority (24 hr)* ☐
Expedited (48 hr)* ☐
Standard (10 Business Days) ☐
*Date Needed _____

See absoluteresourceassociates.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS
Homogenize samples in preparation for analysis.
TCLP for RCRA 8 metals

REPORTING INSTRUCTIONS ☐ PDF (e-mail address) _____
☐ HARD COPY REQUIRED ☐ FAX (FAX#) _____

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 2 °C

CUSTODY RECORD
QSD-01 Revision 10/14/15

Relinquished by Sampler:	Date	Time	Received by:	Date	Time
Dave Amanna	1/14/16	1100		1/14/16	1100
Relinquished by:	Date	Time	Received by:	Date	Time
	1/14/16	1410			
Relinquished by:	Date	Time	Received by Laboratory:	Date	Time
				1/14/16	14:10

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-95934-1
TestAmerica Sample Delivery Group: 35489
Client Project/Site: TOX

For:
Absolute Resource Associates
124 Heritage Ave
Unit 16
Portsmouth, New Hampshire 03801

Attn: Aaron DeWees

Authorized for release by:
1/21/2016 4:29:41 PM

Ken Hayes, Project Manager II
(615)301-5035
ken.hayes@testamericainc.com

Table of Contents

Sample Summary

Client: Absolute Resource Associates
Project/Site: TOX

TestAmerica Job ID: 490-95934-1
SDG: 35489

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-95934-1	35489-01	Solid	01/12/16 07:50	01/19/16 13:00
490-95934-2	35489-02	Solid	01/12/16 08:40	01/19/16 13:00
490-95934-3	35489-03	Solid	01/12/16 10:00	01/19/16 13:00
490-95934-4	35489-04	Solid	01/12/16 11:00	01/19/16 13:00
490-95934-5	35489-05	Solid	01/12/16 12:30	01/19/16 13:00
490-95934-6	35489-06	Solid	01/12/16 13:45	01/19/16 13:00

Job ID: 490-95934-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-95934-1

Comments
No additional comments.

Receipt
The samples were received on 1/19/2016 1:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.1º C.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: Absolute Resource Associates
Project/Site: TOX

TestAmerica Job ID: 490-95934-1
SDG: 35489

Client Sample ID: 35489-01
Date Collected: 01/12/16 07:50
Date Received: 01/19/16 13:00

Lab Sample ID: 490-95934-1
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic	ND		50.0		mg/Kg		01/20/16 12:00	01/21/16 09:00	1

Client: Absolute Resource Associates
Project/Site: TOX

TestAmerica Job ID: 490-95934-1
SDG: 35489

Client Sample ID: 35489-02
Date Collected: 01/12/16 08:40
Date Received: 01/19/16 13:00

Lab Sample ID: 490-95934-2
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic	ND		51.0		mg/Kg		01/20/16 12:00	01/21/16 09:00	1

Client: Absolute Resource Associates
Project/Site: TOX

TestAmerica Job ID: 490-95934-1
SDG: 35489

Client Sample ID: 35489-03
Date Collected: 01/12/16 10:00
Date Received: 01/19/16 13:00

Lab Sample ID: 490-95934-3
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic	ND		47.1		mg/Kg		01/20/16 12:00	01/21/16 09:00	1

Client: Absolute Resource Associates
Project/Site: TOX

TestAmerica Job ID: 490-95934-1
SDG: 35489

Client Sample ID: 35489-04
Date Collected: 01/12/16 11:00
Date Received: 01/19/16 13:00

Lab Sample ID: 490-95934-4
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic	ND		48.1		mg/Kg		01/20/16 12:00	01/21/16 09:00	1

Client: Absolute Resource Associates
Project/Site: TOX

TestAmerica Job ID: 490-95934-1
SDG: 35489

Client Sample ID: 35489-05
Date Collected: 01/12/16 12:30
Date Received: 01/19/16 13:00

Lab Sample ID: 490-95934-5
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic	ND		50.0		mg/Kg		01/20/16 12:00	01/21/16 09:00	1

Client: Absolute Resource Associates
Project/Site: TOX

TestAmerica Job ID: 490-95934-1
SDG: 35489

Client Sample ID: 35489-06
Date Collected: 01/12/16 13:45
Date Received: 01/19/16 13:00

Lab Sample ID: 490-95934-6
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic	ND		51.0		mg/Kg		01/20/16 12:00	01/21/16 09:00	1

Method: 9023 - Organic Halides, Extractable (EOX)

Lab Sample ID: MB 490-313847/1-A
Matrix: Solid
Analysis Batch: 314025

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 313847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic	ND		50.0		mg/Kg		01/20/16 12:00	01/20/16 14:00	1

Lab Sample ID: LCS 490-313847/2-A
Matrix: Solid
Analysis Batch: 314025

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 313847

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Halogens, Extractable Organic			1000	1049		mg/Kg		105	80 - 120		

Lab Sample ID: 490-95934-1 MS
Matrix: Solid
Analysis Batch: 314025

Client Sample ID: 35489-01
Prep Type: Total/NA
Prep Batch: 313847

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Halogens, Extractable Organic	ND		1000	935.1		mg/Kg		91	70 - 130		

Lab Sample ID: 490-95934-1 MSD
Matrix: Solid
Analysis Batch: 314025

Client Sample ID: 35489-01
Prep Type: Total/NA
Prep Batch: 313847

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Halogens, Extractable Organic	ND		1000	1066		mg/Kg		104	70 - 130	13	20

QC Association Summary

Client: Absolute Resource Associates
Project/Site: TOX

TestAmerica Job ID: 490-95934-1
SDG: 35489

General Chemistry

Prep Batch: 313847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-95934-1	35489-01	Total/NA	Solid	9023	
490-95934-1 MS	35489-01	Total/NA	Solid	9023	
490-95934-1 MSD	35489-01	Total/NA	Solid	9023	
490-95934-2	35489-02	Total/NA	Solid	9023	
490-95934-3	35489-03	Total/NA	Solid	9023	
490-95934-4	35489-04	Total/NA	Solid	9023	
490-95934-5	35489-05	Total/NA	Solid	9023	
490-95934-6	35489-06	Total/NA	Solid	9023	
LCS 490-313847/2-A	Lab Control Sample	Total/NA	Solid	9023	
MB 490-313847/1-A	Method Blank	Total/NA	Solid	9023	

Analysis Batch: 314025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-95934-1	35489-01	Total/NA	Solid	9023	313847
490-95934-1 MS	35489-01	Total/NA	Solid	9023	313847
490-95934-1 MSD	35489-01	Total/NA	Solid	9023	313847
490-95934-2	35489-02	Total/NA	Solid	9023	313847
490-95934-3	35489-03	Total/NA	Solid	9023	313847
490-95934-4	35489-04	Total/NA	Solid	9023	313847
490-95934-5	35489-05	Total/NA	Solid	9023	313847
490-95934-6	35489-06	Total/NA	Solid	9023	313847
LCS 490-313847/2-A	Lab Control Sample	Total/NA	Solid	9023	313847
MB 490-313847/1-A	Method Blank	Total/NA	Solid	9023	313847

Lab Chronicle

Client: Absolute Resource Associates
Project/Site: TOX

TestAmerica Job ID: 490-95934-1
SDG: 35489

Client Sample ID: 35489-01
Date Collected: 01/12/16 07:50
Date Received: 01/19/16 13:00

Lab Sample ID: 490-95934-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9023			1.00 g	1 mL	313847	01/20/16 12:00	CLJ	TAL NSH
Total/NA	Analysis	9023		1	1.00 g	1 mL	314025	01/21/16 09:00	CLJ	TAL NSH

Client Sample ID: 35489-02
Date Collected: 01/12/16 08:40
Date Received: 01/19/16 13:00

Lab Sample ID: 490-95934-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9023			0.99 g	1 mL	313847	01/20/16 12:00	CLJ	TAL NSH
Total/NA	Analysis	9023		1	0.99 g	1 mL	314025	01/21/16 09:00	CLJ	TAL NSH

Client Sample ID: 35489-03
Date Collected: 01/12/16 10:00
Date Received: 01/19/16 13:00

Lab Sample ID: 490-95934-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9023			1.03 g	1 mL	313847	01/20/16 12:00	CLJ	TAL NSH
Total/NA	Analysis	9023		1	1.03 g	1 mL	314025	01/21/16 09:00	CLJ	TAL NSH

Client Sample ID: 35489-04
Date Collected: 01/12/16 11:00
Date Received: 01/19/16 13:00

Lab Sample ID: 490-95934-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9023			1.02 g	1 mL	313847	01/20/16 12:00	CLJ	TAL NSH
Total/NA	Analysis	9023		1	1.02 g	1 mL	314025	01/21/16 09:00	CLJ	TAL NSH

Client Sample ID: 35489-05
Date Collected: 01/12/16 12:30
Date Received: 01/19/16 13:00

Lab Sample ID: 490-95934-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9023			1.00 g	1 mL	313847	01/20/16 12:00	CLJ	TAL NSH
Total/NA	Analysis	9023		1	1.00 g	1 mL	314025	01/21/16 09:00	CLJ	TAL NSH

Client Sample ID: 35489-06
Date Collected: 01/12/16 13:45
Date Received: 01/19/16 13:00

Lab Sample ID: 490-95934-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9023			0.99 g	1 mL	313847	01/20/16 12:00	CLJ	TAL NSH
Total/NA	Analysis	9023		1	0.99 g	1 mL	314025	01/21/16 09:00	CLJ	TAL NSH

Lab Chronicle

Client: Absolute Resource Associates
Project/Site: TOX

TestAmerica Job ID: 490-95934-1
SDG: 35489

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Absolute Resource Associates
Project/Site: TOX

TestAmerica Job ID: 490-95934-1
SDG: 35489

Method	Method Description	Protocol	Laboratory
9023	Organic Halides, Extractable (EOX)	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Absolute Resource Associates
Project/Site: TOX

TestAmerica Job ID: 490-95934-1
SDG: 35489

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New Hampshire	NELAP	1	2963	10-09-16

Analysis Method	Prep Method	Matrix	Analyte

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-95934 Chain of Custody

Cooler Received/Opened On 1.19.16 @ 1300

Time Samples Removed From Cooler 0900 Time Samples Placed In Storage 0919 (2 Hour Window)

1. Tracking # 27299 (last 4 digits, FedEx) Courier: UPS

IR Gun ID 18290455 pH Strip Lot HC554612 Chlorine Strip Lot 072815A

2. Temperature of rep. sample or temp blank when opened: 1.1 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...(NA)

4. Were custody seals on outside of cooler? YES...(NO)...NA

If yes, how many and where: _____

5. Were the seals intact, signed, and dated correctly? YES...NO...(NA)

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) mpm

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA 1/20/16

b. Was there any observable headspace present in any VOA vial? YES...NO...(NA)

14. Was there a Trip Blank in this cooler? YES...NO...(NA) If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...(NA)

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...(NO) Was a NCM generated? YES...(NO)...#_____

BIS = Broken in shipment

Test America Nashville

PAGE 1 OF 1

1/21/2016

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Absolute Resource associates

124 Heritage Avenue #16
Portsmouth, NH 03801
603-436-2001
absoluteresourceassociates.com

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: See Above

Company Address:

Report To: Aaron DeWees

Phone #:

Invoice to Email: same

☐ Hard Copy Invoice Required

Project Name:

Project #: 35489

Project Location: NH MA ME VT NY ____ Other

Protocol: RCRA SDWA NPDES MCP NHDES OTHER

Reporting Limits: QAPP GW-1 S-1 EPA DW Other____

Quote #____ ☐ NH Reimbursement Pricing

PO # 35489

ANALYSIS REQUEST

☐ VOC 8260 ☐ VOC 8260 NHDES ☐ VOC 8260 MADEP
☐ VOC 624 ☐ VOC BTEX ☐ MtBE, only ☐ VOC 8021VT
☐ VPH MADEP ☐ MEGRO ☐ GRO 8015 ☐ 1,4-Dioxane
☐ VOC 524.2 ☐ VOC 524.2 NH List ☐ Gases-List:
☐ TPH ☐ DRO 8015 ☐ MEDRO ☐ EPH MADEP ☐ TPH Fingerprint
☐ 8270PAH ☐ 8270ABN ☐ 625 ☐ EDB
☐ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB
☐ O&G 1664 ☐ Mineral O&G SM5520F
☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity
☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ Alkalinity
☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals ☐ Hardness
☐ Total Metals-list:
☐ Dissolved Metals-list:
☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TON ☐ TOC
☐ T-Phosphorus ☐ Phenols ☐ Bacteria P/A ☐ Bacteria MPN
☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P
☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride
☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP
☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide
Subcontract: ☐ Grain Size ☐ Herbicides ☐ Formaldehyde
X TOX
Grab (G) or Composite (C)

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	Matrix: SOLID	Matrix: OTHER	Preservation Method: HCl	Preservation Method: HNO_3	Preservation Method: H_2SO_4	Preservation Method: NaOH	Preservation Method: MeOH	Sampling: DATE	Sampling: TIME	Sampling: SAMPLER
	35489-01	1		X							1/12/16	7:50	
	-02											8:40	
	-03											10:00	
	-04											11:00	
	-05											12:30	
	-06											13:45	

Loc: 490
95934

TAT REQUESTED

Priority (24 hr)* ☐
Expedited (48 hr)* ☐
Standard (10 Business Days) ☒
*Date Needed ____

See absoluteresourceassociates.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS

REPORTING INSTRUCTIONS ☒PDF (e-mail address) Cathyd + aerond

☐ HARD COPY REQUIRED ☐ FAX (FAX#)____

RECEIVED ON ICE ☒YES ☐ NO

TEMPERATURE ____°C

CUSTODY RECORD

QSD-01 Revision 10/14/15

	Date	Time		Date	Time
Relinquished by Sampler:			Received by:		
Relinquished by:	1/18/16	13:32	Received by: UPS	1/18/16	13:32
Relinquished by: UPS	Date	Time	Received by Laboratory: TAN	1/19/16	1300

Login Sample Receipt Checklist

Client: Absolute Resource Associates

Job Number: 490-95934-1
SDG Number: 35489

Login Number: 95934
List Number: 1
Creator: Vest, Laura E

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX B: EXAMPLE MEDEP NON-HAZARDOUS WASTE TRANSPORTER MANIFEST

CATEGORY

A

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NONHAZARDOUS WASTE TRANSPORTER
MANIFEST

NONHAZARDOUS WASTE TRANSPORTER
DECAL NUMBER

GENERATOR (SOURCE)

NAME _____

ADDRESS _____

TOWN _____ PHONE _____

WASTE TYPE

(X) SPECIAL WASTE (specify) _____

( ) SCRAP TIRES

( ) CONSTRUCTION/DEMOLITION DEBRIS

TRANSPORTER

NAME _____

ADDRESS _____

TOWN _____ PHONE _____

QUANTITY LOADED _____

DATE LOADED _____

DRIVER'S NAME _____

By signing this manifest form I certify that the information contained herein is true, correct, and accurate to the best of my ability.

DRIVER'S SIGNATURE _____

DATE SIGNED _____

DISPOSAL FACILITY OR SITE

CODE | | | | | | | | | | | |

NAME _____

LOCATION _____

PHONE _____

QUANTITY RECEIVED _____

DATE RECEIVED _____

OPERATOR'S NAME _____

OPERATOR'S SIGNATURE _____

DATE SIGNED _____

See Instructions on the back of this form

OTHER INFORMATION:

_____