

**Interim Corrective Measures Plan
Removal of PCB-impacted Soil within the
East Yard Solid Waste Management Unit (SWMU)**

**Consolidated Edison Company of New York
Astoria, NY
NYSDEC Permit No. 2-6301-00006/00002-0**

**Final
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1. Introduction

This Interim Corrective Measure Plan (ICMP) has been prepared to address historic contamination in the East Yard portion of the Con Ed Astoria site (hereafter referred to as the East Yard). The subject facility location is Con Edison's Astoria facility, located in Astoria (Queens), New York (**Figure 1-1**).

In accordance with Con Edison's RCRA Corrective Action Permit (DEC Permit No: 2-6301-00006/00002), Con Edison "*will not need to prepare and submit a Corrective Measures Study (CMS) that evaluates remedial alternatives when the Department and the Permittee agree upon a pragmatic and presumptive remedy.*" This document presents Con Edison's recommended ICM based on a pragmatic and presumptive remedy to address the impacts at the East Yard with the intention that this be the final remedy for the East Yard Solid Waste Management Unit (SWMU). No further action is expected beyond this remedy for final closure.

Per RCRA guidance (OSWER Directive 9902.3-2A, May 31, 1994, Chapter II), this ICMP presents the regulatory context and background of the program, describes the targeted ICM area, and identifies the objectives, implementation details, schedule and other key elements of this ICM program. This document is also intended to be the *Design Basis Memorandum (DBM)*, which establishes the objectives and framework with which to develop a Remedial Design package. This ICM plan describes the remedial approach designed to address:

- Polycyclic aromatic hydrocarbons (PAHs).
- Polychlorinated biphenyls (PCBs).
- Metals (lead).

Manufactured gas plant (MGP) impacted soils were documented in the eastern corner of East Yard. Pursuant to the discussions with Mr. Douglas MacNeal of New York State Department of Environmental Conservation (NYSDEC) on November 30, 2013, the MGP impacted soils will be addressed as part of the site-wide MGP remediation to be performed at a later date. As such, this document does not address the remediation of the MGP impacted waste on the East Yard.

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2. Background Information

2.1 Regulatory Background

In 1994, the NYSDEC issued a Permit to Operate a Hazardous Waste Management Facility (NYD 980593636) under Article 27, Title 9, 6 NYCRR 373, Hazardous Waste Management, to the Con Edison Astoria, New York facility for its PCB and RCRA Waste storage facility. Module II of the permit requires Con Edison to take corrective action, on the Astoria Facility as well as beyond the facility boundary, where necessary, to protect human health and the environment. SWMUs and AOCs are identified in Table II-1 of the permit, which includes the East Yard SWMU. Con Edison renewed that permit in March 2007. Changes were mostly associated with clarifying the number and names of areas of concern (AOCs), SWMUs, and other designated sites under the RCRA Corrective Action Program.

The investigation portions of the RCRA Corrective Action Program were initiated in 1993 prior to completion of the permit. The formal RCRA Facility Investigation (RFI) began in 1993 and continued through 2007, with a draft RFI Report submitted to the NYSDEC in February 2008 (AECOM, 2008). The overall intent of the RFI program was to characterize environmental impacts that resulted from operational activities and spills during the facility's 100-plus-year history of operation. Sequential phases of the RFI have been conducted to continually refine the nature and extent of potential environmental impacts.

2.2 Astoria Facility and the East Yard

The Astoria facility (Figure 2-1) encompasses approximately 224 acres along the East River and is zoned as a manufacturing/industrial property; it is surrounded by developed industrial and residential areas. The facility is bordered to the west and north by the East River and to the east by Luyster Creek (also known as Steinway Creek). To the south, 20th Avenue borders the facility. The facility has been owned by Con Edison or its predecessor companies since the late 1890s. From the early 1900s through 1999, the facility has been operated in some form as a power- or gas-generating and distribution facility. Con Edison no longer owns/operates the power plants on the property; the plants were sold off in 1999. Con Edison is bordered by New York Power Authority (NYPA) complex, NRG complex and Powergen facility.

The East Yard SWMU is located in the south-central portion of the Astoria facility southeast of the Transformer Shop (Bldg. 82). The East Yard (**Figure 2-1**) occupies an open area approximately 400 x 600 feet and is covered with asphalt, concrete, and gravel. Historical information for operational activities conducted within the East Yard is available for the period after 1960, although it was operational prior to that date. The East Yard has been used to store new and 'field returned' transformers (some of which were known to have contained PCBs). Materials stored or temporarily staged at the East Yard include new transformers, old and reconditioned distribution transformers, pole-type transformers, bushings, and other miscellaneous electronics parts and cables.

The East Yard is designated as a SWMU in accordance with the on-going RCRA Corrective Action program at the Astoria facility. Multiple rounds of investigations have been conducted at the East Yard since 1994 and are summarized in Section 4.0 of this report.

2.3 Current and Foreseeable Site Property Use

Con Edison anticipates the Astoria facility will remain operating in its current state into the foreseeable future. The East Yard will continue to be used as a staging area for new and field returned transformers, prior to their use in the field or disposal.

2.4 Project Management

Con Edison will retain the services of an engineering firm to oversee the East Yard remediation work performed by a remediation contractor. The remediation contractor retained by Con Edison will have the required credentials and experience to manage and conduct the excavation and soil management activities associated with this soil ICM. Con Edison will continue to submit Bi-Monthly RCRA updates to the NYSDEC, which will include a summary of the East Yard Soil ICM activities performed and anticipated during each reporting period.

2.5 Contact Information

The project team is presented in Table 2-1

Table 2-1

Con Edison East Yard Solid Waste Management Unit Project Team

Company	Person	Title	E-mail	Phone No.
NYSDEC	Doug MacNeal	Engineer	dlmacnea@gw.dec.state.ny.us	(518) 402-9564
Con Edison	Christopher Hughes	Project Manager	hugheschr@coned.com	(718) 204-4295
Con Edison	Barry Cohen	Section Manager	cohenba@coned.com	(718) 204-4252

3. Environmental Setting

3.1 Geology

According to United States Geologic Survey (USGS) geologic maps, the northern portion of the Astoria facility lies on fill materials, while the central portion of the facility is situated on glacial till (ground moraine). The fill materials in the northern portions of the facility overlie shore and salt marsh deposits (organic silt, peat, and clay), since fill materials were generally used in this area to extend and reinforce shorelines and to eliminate swampy areas.

Over 100 borings were advanced in the East Yard (E01 through E99, E101, MGP169, and MGP173 through MGP176) throughout several investigations. The boring locations are illustrated on **Figure 3-1**. The earliest borings generally extended to approximately 3 feet below ground surface (feet bgs). Subsequent borings were generally drilled to 9 feet bgs unless visible impacts or analytical impacts were noted and then some borings were drilled to deeper depths ranging between approximately 10 and 30 feet bgs. Most recently borings were drilled into the top 5 feet of bedrock in the East Yard as part of the remedial investigation (RI) for the former MGP. Boring logs for all of the East Yard borings are included in Appendix B of this work plan.

The East Yard is generally covered with asphalt underlain by concrete and ranges in thickness from approximately 6 inches to 12 inches over the East Yard. A fill zone is present beneath this surface material and ranges in thickness from greater than 25 feet in the eastern corner at MGP175 to approximately 2 feet along the southern portion of the East Yard. The fill material generally consists of brown fine to coarse sand, silt, and varying percentages of subangular to subrounded gravel and cobbles. Brick and wood debris, cinder, clinker, coal ash, and slag are commonly observed in the fill material, especially in the eastern portion of the yard. The fill is thickest in the eastern portion of the East Yard in the vicinity of MGP174 and MGP175 where black slag was prevalent between depths of 5 and 25 feet bgs. The fill zone thins from approximately 20 to 30 feet thick in the east at MGP175 to the west to approximately 15 ft thick in the vicinity of E44 and E91. Fill thickness decreases further west and south to less than 5 ft, generally south and west of Storage Row F.

A discontinuous peat/organic clay-silt zone is present beneath the fill in the eastern portion of the East Yard. Seventeen of the over 100 borings advanced in the East Yard were drilled deep enough to encounter the peat/organic clay-silt zone. Of these 17 borings, nine (E44, E44A E60, E72, E91, and MGP173 through MGP176) encountered the top of the peat/organic clay-silt zone at depths ranging from 12.5 (E60) to 30 feet bgs (MGP175). The peat/organic clay-silt zone material varies from dark brown fibrous peat with a swampy odor to gray silty organic clay, to gray clay with silt. This unit extends eastward into the East Yard to approximately the northern edge of Storage Row H based on its absence in deeper borings E76, E15A, E83, E05A, and E80 in the western and southern yard areas. The top of this peat/organic clay-silt zone dips from an elevation of approximately 8 ft above the North American Vertical Datum of 1988 (NAVD88) in the

northwest part of the yard at E60 to approximately -10 ft NAVD88 in the eastern corner of the yard at MGP175. The peat/organic clay-silt zone ranges in thickness from 1 to 9 ft in the East Yard.

Beneath the peat/organic clay-silt zone in the eastern portion of the yard and beneath the fill material in the western portion of the yard is either silty sand grading to well graded sand or well graded sand. Subrounded gravel and silt are common within the sand material. The sand extends to the top of bedrock which ranges between 25 feet bgs (E76) and 45 feet bgs (MGP175). The top of bedrock beneath the East Yard dips from a high of -1.72 feet NAVD88 at E76 towards the north to -7 feet NAVD88 at MGP169, to the east to -26 feet NAVD88 at MGP175 and to the southeast to -12.7 ft NAVD88 at MGP149 along the western edge of the Astoria East Substation.

3.2 Hydrogeology

The southern portion of the Astoria facility is underlain by one of the aquifers in the Brooklyn/Queens Aquifer System. The Upper Glacial Aquifer in this location consists of glacial till (ground moraine). The unconsolidated sediments and glacial till aquifer underlying the facility are relatively thin (approximately 35 to 45 feet thick) and rest directly upon the bedrock surface. According to the NYSDEC, the groundwater classification for the Astoria area in the vicinity of Queens County is class "GA" for "fresh groundwater" and is part of the Brooklyn/Queens sole-source aquifer.

Based on the subsurface investigations conducted at the Astoria facility, groundwater is generally encountered at depths between 3 to 15 feet bgs and approximately 8 to 9 feet bgs within the East Yard. The general direction of groundwater flow follows the site topography from the south central portion of the facility (along 20th Avenue) towards the East River (north and northwest) and towards Luyster Creek (northeast). The groundwater flow direction for the East Yard is north, northwest, and northeast as depicted in Figure 3-2.

4. Summary of Investigation Program

4.1 Summary of Investigations to Date

The formal RCRA Facility Investigation (RFI) began in 1993 and continued through 2007, with a draft RFI Report submitted to the NYSDEC in February 2008 (AECOM, 2008). Sequential phases of the RFI have been conducted to continually refine the nature and extent of potential environmental impacts. A summary of investigations conducted on the East Yard to date is provided below.

- **Screening RFI Investigation of the East Yard:** The East Yard was first investigated during the RCRA Facility Assessment (RFA) in 1994. The 1994 investigation included an extensive soil sampling program with the collection of 30 soil samples from various locations and depths which were analyzed for VOCs, SVOCs, PCBs, lead, chromium, and mercury. In addition, a 21-point PCB field screening program was executed for shallow and near-surface soil, using immunoassay field screening kits.
- **2001 PCB Investigation:** During the 2002 site strategy meeting with the NYSDEC, it was determined that additional soil sampling was necessary to further characterize the concentration and extent of PCB impacts in the vicinity of locations E05 (in the south-central portion of the yard) and E15 (in the northeastern portion of the yard). Subsequently, soil samples were collected for PCB analysis from surficial soils (approximately 1-2 feet) and near the maximum extent of the boring (approximately 5-6 feet) in the 11 borings. Additionally, the soil samples from three soil borings (E29, E31 and E34) advanced adjacent to E05 were also analyzed for VOCs and PAHs, and an additional soil sample from boring E29 was submitted for TPH fingerprint analysis. To evaluate groundwater quality downgradient of well N02, groundwater samples were collected from well N08, located in the northeast corner of the North Storage Yard, for analysis of PCBs, VOCs, and SVOCs.
- **2012 and 2013 PCB Investigation:** The PCB soil investigation was conducted with the goal of providing final delineation of PCBs in the East Yard to 25 ppm. In addition, during a project to install a new sanitary sewer line, soil samples were collected along the open trench where it traversed the East Yard at locations identified as E35 through E41. Samples were collected near the bottom and sidewalls of the trench for PCB analysis. During 2012 and 2013, Con Edison conducted three sequential soil sampling events in order to delineate the extent of PCBs in soil to less than 25 mg/kg.

The first event was conducted during March and April 2012. Eighteen borings (E42 through E59) were advanced during this investigation. Soil samples were collected immediately from the 1-2 foot bgs interval and from the saturated zone to delineate the vertical extent of PCBs. During drilling activities, MGP impacts (i.e., visual, olfactory, positive headspace readings) were noted in borings E44, E60, E65 and E70. As a result, additional soil samples were collected from these borings for

laboratory analysis of VOCs, SVOCs, and/or cyanide. One sample from boring E70 (1-2 feet) was also analyzed for TCLP VOCs. The validated laboratory data forms are included in Appendix D. Additional investigations were conducted in December 2012 and January 2013 to complete the delineation of PCBs in soil. The boring locations are depicted in Figure 3-1, and the sample results are reported in Appendix A. The final boring locations were surveyed by GEOD Corp., Newfoundland, NJ to identify the horizontal (NYS Plane East 83) and the vertical (NAVD 88) position of each location.

- **2012 and 2013 MGP Investigation:** In December 2012, two borings (E76 and E83) were drilled into the top 5 feet of bedrock in the East Yard to evaluate the potential presence of MGP impacts based on observations of tar coating between 7 and 8 feet bgs in previously drilled boring E45 and between 2 and 3 feet bgs in previously drilled boring E63. In July 2013, boring MGP169 was drilled into the top 5 feet of bedrock in the East Yard to delineate the extent of tar impacts identified to the east at MGP172 in the Cable Storage Yard. Also in July 2013, borings E44, E45, E60, E65, E72, and E91 were overdrilled to deeper depths (5 feet into bedrock or 25 feet bgs) using sonic drilling to further evaluate the extent of PAH concentrations detected in this area of the East Yard. Boring E44A was drilled adjacent to boring E44 to further evaluate PAH and visible impacts previously noted in boring E44. Boring E80 was also overdrilled by sonic methods in July 2013 to further delineate PCB impacts at this location and to evaluate the potential presence of MGP impacts.

In September 2013, borings MGP173 through MGP176 were drilled into the top 5 feet of bedrock along the eastern East Yard boundary to delineate the extent of MGP impacts identified in borings MGP166 and MGP172 to the east in the Cable Storage Yard. Continuous soil sampling was performed for visual inspection during sonic drilling. Boring logs are provided in Appendix B. Soil samples for laboratory analysis were collected from each location as summarized on the boring logs and the validated analytical results are presented in Appendix A. The boring locations are illustrated on Figure 3-1.

4.2 Summary of East Yard Analytical Data

Based on the prior RFI investigations and the 2012/2013 PCB and MGP soil sampling programs, the East Yard has been sufficiently characterized to understand the general nature and distribution of PAH, PCB and MGP impacts to the soil. Soil and groundwater data collected from prior RFI investigations as presented in the RFI Report (2008) are included for reference in Appendix C (Table 4.1-1 from the RFI Report). Soil data collected during all the investigations to-date are discussed below and summarized in Appendix A.

4.2.1 PCBs

A total of 256 samples were analyzed for PCBs from depths up to 31 feet bgs (at E44A). Soil sample results indicate that PCBs were predominately detected in the near surface samples (1-2 foot intervals) directly below the pavement. Twenty-nine soil samples exceeded the 25 mg/kg criteria in the 1-2 foot interval, while only seven samples exceeded the criteria in the 3-6 foot interval, and one sample exceeded the 25 mg/kg

criteria in the 7-9 feet interval (at E80). PCB concentrations exceeding the 25 mg/kg criteria in the 1-2 foot interval ranged from 47 mg/kg to 1,400 mg/kg, while concentrations exceeding the criteria in the 4-5 foot interval ranged from 37 mg/kg to 860 mg/kg. The only sample exceeding the 25 mg/kg criteria in the 7-9 foot interval was 750 mg/kg.

PCB delineation was achieved within each proposed excavation area, except in Areas 1 and 2, where the PCB impacts at E20 and N02, respectively, have not been delineated horizontally. PCBs were either not detected or detected at concentrations below NYSDEC Industrial RSCOs in the samples (E33, E13, E27, E26, E04, E02, E46, E45, E43, E42, E32, E48, E15A, E34) collected from the perimeter of the East Yard thereby demonstrating that the horizontal extent of PCBs has been delineated in all directions except North, where PCBs were detected in E20 and N02 at concentrations exceeding Industrial RSCOs. The vertical and horizontal delineation (to the east, north and west) at E20 is incomplete and will be achieved via post-excavation sampling proposed upon completion of excavation in this area. The vertical delineation at N02 is complete; the horizontal delineation (to the north) at N02 is incomplete and will be achieved via post-excavation sampling proposed upon completion of excavation in this area.

During the course of the field program, the NYSDEC requested deeper soil samples be collected at boring E05A. This resulted in collecting additional samples at 10-12 foot, 15-17 foot (25 mg/kg), 17-19 foot (7.9 mg/kg), 19-21 mg/kg (11 mg/kg), and 21-22.5 foot (1.4 mg/kg). These data indicate the only sample that was at but did not exceed the 25 mg/kg criteria was from the 15-17 foot interval, while all other samples were below the criteria, demonstrating the vertical extent of PCBs had been delineated.

The data were evaluated against the 25 mg/kg PCB criteria in order to show the areas of the East Yard that would need to be remediated under this ICM. The PCB results exceeding 25 ppm are shown on **Figure 4-1**. The outcome of the evaluation identified 12 areas (Area 1 through Area 12) that yielded PCB concentrations in soil greater than 25 mg/kg.

4.2.2 PAHs

A total of 86 soil samples collected from 31 locations were analyzed for PAHs during the various investigations performed in the East Yard. The locations and total PAH analytical results are illustrated on Figure 4-2 and summarized in Appendix A. Total PAH concentrations exceeded the NYSDEC CP-51 total PAH criterion of 500 mg/kg in eight samples collected from six locations. Four of these locations (E44, E44A, E60, and E65) are grouped in the northwestern portion of the East Yard on the northern end of and between Storage Rows J and H. Samples containing concentrations of total PAHs exceeding 500 mg/kg were collected between depths of 7 and 15 feet bgs in this area. The horizontal and vertical extent of the total PAH concentrations were delineated by the surrounding sample locations (E16, MGP169, E45, E41, E72, and E91) and deeper sample intervals collected within the impacted borings.

Visible subsurface soil impacts were also noted in this limited area of the East Yard as summarized on Figure 4-2. Black stained soil with a tar-like or naphthalene-like odor were noted between 6 and 9 feet bgs and 12 and 14 feet bgs in boring E44. In addition, an unidentified blue greasy coating was noted on soil between 7.5 and 9 feet bgs in boring E44. Stained soil, a slight sheen, and tar-like odors were noted in immediately adjacent boring E44A between 12 and 14 feet bgs. Stained soil was noted between 1.75 and 7

feet bgs a slight tar-like coating was noted on soil between 7 and 8 feet bgs in boring E45. Stained soil and slight tar like odors were noted between 1 and 13 feet bgs in borings E60, E65, and E72 and small hardened pieces of tar were noted between 5.5 and 13 feet bgs in boring E 60 and E65.

Total PAH concentrations also exceeded 500 mg/kg in the eastern portion of the East Yard at locations MGP174 and MGP175. The samples containing total PAH concentrations above 500 mg/kg were collected from depths between 19 and 30 feet bgs. These depth intervals exhibited tar saturated material and strong tar like odors at location MGP175 and a slight tar like odor at location MGP174. The horizontal extent of these exceeding concentrations of total PAHs were delineated in the East Yard to the south-southwest by soil samples collected from boring MGP176 and to the east by samples collected from MGP173 and MGP169. The vertical extent of the total PAH concentrations exceeding 500 mg/kg was delineated by deeper samples at each boring location. Visible MGP impacts were not noted during drilling MGP173, MGP174, or MGP176. However, tar coated and tar saturated very loose slag and other fill material was observed between 15 and 30 feet bgs in boring MGP176. This impacted material did not extend deeper than 30 feet bgs where a peat layer was encountered.

4.2.3 MGP Impacts

The subsurface soil total PAH concentrations exceeding 500 mg/kg in subsurface soil between 7 and 15 feet bgs and limited stained, and coated soil with tar or naphthalene like odors may be associated with MGP-type fill in the northwestern portion of the East Yard in the vicinity of borings E44, E44A, E45, E60, and E65. These impacts are limited in extent and are likely associated with residual fill material.

The subsurface total PAH concentrations exceeding 500 mg/kg in the eastern portion of the yard between 19 and 30 feet bgs and the tar saturated fill debris encountered between 15 and 30 feet east beneath the Cable Storage Yard. The impacts observed in the subsurface between 15 and 30 feet bgs in MGP175 represent saturated tar conditions that appear to have migrated from the east but do not extend as far west-southwest as MGP174 or MGP176 in the East Yard.

4.2.4 Metals

A total of 41 samples were analyzed for metals. Only arsenic (MGP169 in the 25-29 feet interval) was detected at concentration exceeding the NYSDEC Industrial RSCOs. Arsenic was detected at an order of magnitude lower concentration in the samples collected from shallower depths. This finding suggests that the presence of arsenic was likely the result of historic site-wide industrial filling activities rather than the result of site-specific operational impacts.

Lead was detected in 40 of the 41 samples at concentrations below the NYSDEC Industrial RSCOs. The maximum concentration of lead was reported to be 637 mg/Kg at E03AS.

4.2.5 Volatile Organics

A total of 38 samples were analyzed for volatile organic compounds (VOCs). The primary analyses detected included chlorobenzenes, BTEX, and styrene. However, only chlorobenzene (E70 in 1-2 feet intervals) was

detected at concentration exceeding the NYSDEC Industrial RSCOs. This sample from E70 was also analyzed for leachability potential by the TCLP method which yielded 1,4-dichlorobenzene (2 mg/L) and chlorobenzene (0.1 mg/L). Both TCLP concentrations were below respective toxicity characteristic levels of 7.5 mg/L for 1,4-dichlorobenzene and 100 mg/L for chlorobenzene.

Deeper samples from E70 were not analyzed for VOCs. However, no VOCs were detected at E04, located adjacent to E70, at concentrations exceeding the NYSDEC Industrial RSCOs in samples collected to a depth of up to 9.5 feet bgs. As such, E70 is considered vertically delineated using the data from E04. The horizontal extent of chlorobenzene impacts are delineated by E04 and E05, where none of the VOCs exceeded the NYSDEC Industrial RSCOs. Boring E70 is located within the proposed excavation area for Area 5 (refer to Figure 4-3).

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5. Remedial Goals

The overall remedial goal for the East Yard area is as follows:

- To reduce levels of PCBs to below NYSDEC Industrial Use RSCOs.
- To minimize mobilization and eliminate contact with PAH and metal impacted soil.

While MGP impacted soil was also encountered in the eastern corner of the East Yard, the MGP impacted soils will be addressed as part of the site-wide MGP remediation that will be performed at a later date. This document focuses on the remediation of the PCB and PAH impacted soils at this time.

5.1 Applicable Regulations

This remediation project is governed by following state and federal programs:

- Subtitle C of the Resource Conservation and Recovery Act (RCRA).
- Title 6 of the New York Code of Rules and Regulations (6 NYCRR), Part 375 series.
- Title 6 of the New York Code of Rules and Regulations (6 NYCRR), Part 370 series.

5.2 PCB Remediation Goals

The remediation goal is to remove all soil containing >25 ppm PCBs within the designated areas depicted in Figure 4-3 and as discussed in Section 6.

5.3 PAH and Metal Remediation Goals

The remediation goal is to provide a barrier that will minimize (a) mobilization of contaminants through wind or water erosion, and (b) elimination of the direct contact with exposed soils. Upon completion of the project, the entire East Yard will be paved with a concrete pavement as part of a Capital Project. The new concrete pavement will act as a barrier to eliminate contact and significantly reduce infiltration of the water.

5.4 MGP Remediation Goals

Pursuant to the discussions with Mr. Douglas MacNeal of NYSDEC on November 30, 2013, the MGP impacted soil document in limited portion of the East Yard will be addressed as part of the site-wide MGP remediation to be performed at a later date. As such, the MGP remediation goals will be developed at a later date.

6. Proposed Remedial Action

This section presents the planned remediation procedures for the East Yard and the methods, procedures, and sequence of events for completing the planned remediation of the East Yard. In general, field procedures and analytical methods will be conducted in a manner consistent with the RCRA Corrective Action Program and previous field activities. The selected ICM is as follows:

- **PCB impacted soils:** PCB-impacted soil (>25 ppm PCBs) will be excavated and removed off-site. The concrete and pavement overlying the PCB impacted soil will also be excavated. All excavated soil will be transported under uniform hazardous waste manifests. The excavation area will be backfilled with DER-10 clean fill and repaved with asphalt or concrete. This excavation will remove an estimated 7,900 cubic yards (CY) of soil and 2,230 CY of asphalt and pavement. There are 12 areas of excavation shown on Figure 4-3.
- **PAH and metal impacted soil:** The areas of known PAH and metal impacted soil are currently paved with concrete or asphalt. The existing pavement has deteriorated. As such, the entire East Yard will be repaved with a new concrete pavement, which will minimize (a) mobilization of contaminants through wind or water erosion, and (b) elimination of the direct contact with exposed soil. This option is considered adequate for addressing the PAH soil contamination.
- **MGP impacted soils:** Will be addressed at a later date as part of the site-wide MGP remediation.

6.1 Site Controls

Various measures will be implemented to maintain site access, protect worker safety, and contain contaminated materials within the excavation area. The Con Edison Facility is gated and controlled by limited access points. The East Yard is located within the Astoria Facility. The East Yard site security will be controlled by the Contractor and Exclusion zones will be established. The Contractor will prepare a Security Plan prior to beginning the work. In addition, the Contractor retained by Con Edison will develop and provide an approved Health and Safety Plan prior to beginning the work. All site workers involved in remediation activities shall wear personal protective equipment (PPE), as determined by the site HASP and contractor requirements.

Soil will be excavated and stockpiled, as needed, within the excavation area. In the event that a stockpile needs to be created outside of the excavation area, the stockpile will be bermed, lined with a polyethylene liner and covered with heavy-duty plastic sheeting when not in active use. Soil stockpiles will be covered at the end of every day as a dust and erosion control measure.

Moveable equipment (i.e., trucks, loaders, etc.) will be decontaminated prior to leaving the work area to prevent tracking dust or soil containing PCBs, PAHs and MGP waste outside of the excavation areas. Decontamination methods are documented in Section 6.7. Dust control and community air monitoring are covered in Section 6.8.

The Contractor will prepare a Soil Erosion and Sediment Control (SESC) Plan prior to the start of work. The SESC plan will detail all temporary soil erosion control measures to be utilized to control erosion and sedimentation from work areas, around soil stockpiles, and around storm drains during the remedial activities. Control measures may include items such as silt fencing to prevent off-site migration of East Yard soil and to protect nearby storm drains. The erosion control measures will be inspected on a frequent, periodic basis and after each rainfall to check effectiveness and to evaluate any conditions needing action. Control measures will be maintained to maximize effectiveness during the construction period.

6.2 Characterization Sampling of Concrete and Asphalt

In the East Yard, the material storage areas are made of approximately 18 inches of concrete with paved travel lanes in between the storage areas (Figure 3-1). The travel lane pavement is comprised of approximately 3 inches of asphalt over approximately 9 inches of concrete. Concrete and pavement will be removed from the soil excavation areas and disposed of offsite. Although PCBs in soil in the East Yard have been delineated, the overlying concrete and paved sections have not yet been characterized for PCBs, which is needed for waste disposal purposes. For this project, the material will be disposed of as PCB remediation waste, along with the soil.

The concrete and asphalt characterization samples will be collected in laboratory-supplied clean glass jars. Samples will be analyzed by a NYSDOH ELAP certified laboratory for PCBs using USEPA Methods 3550/8082 with an expedited turn-around time (TAT). Project-specific QA/QC protocols will be followed, including collecting duplicate samples at a 10% frequency and matrix spike/matrix spike duplicate samples (MS/MSD) at a 5% frequency.

6.3 Preparation for ICM

Site preparation activities include but are not limited to the following activities:

- Notify Dig Safely New York to pre-mark recorded utilities in the proposed excavation areas.
- Conduct survey of existing grade.
- Mobilize equipment to the site.
- Establish contingency soil stockpile locations and waste drum storage area.
- Establish a surface water runoff and/or groundwater treatment or containment area, which may be needed for managing storm water runoff and/or groundwater in excavation. The surface water runoff and/or groundwater will be collected in frac tanks and either treated at Con Edison's Astoria waste water treatment facility, treated at a temporary waste water treatment system mobilized by the Contractor, or disposed off-site at a facility permitted to accept the waste. Con Edison will notify NYSDEC once the Contractor has made a determination on how they intend to handle the wastewater.
- Define access corridors for excavators, dump trucks, loaders and support vehicles to navigate the site.

- Create a decontamination pad to wash off equipment and vehicles prior to leaving the site.

The remediation contractor will be responsible for determining the layout of these areas. These areas may be altered during mobilization to optimize performance of the remediation in the field. Groundwater was encountered at a depth of 8 to 9 feet bgs on East Yard. As such, excavation dewatering is anticipated only during the excavation of Area 11. The excavated soil will be stockpiled and managed within the footprint of the respective excavation area prior to off-site disposal. This proposed soil management strategy is consistent with the approach approved by NYSDEC for the North Yard Storage PCB remediation.

6.4 Soil Excavation

Soil excavation will proceed by first removing the asphalt/concrete pavement overlying the 12 excavation areas. Concrete and asphalt will be broken up and stored within the footprint of the excavation for transport to an appropriate off-site disposal facility. Approximately 2,230 CY of asphalt and concrete will be removed from the site.

Excavation will be performed to a depth of 3 feet bgs in Areas 1, 2, 3, 5, 7, and 12; to a depth of 7 feet bgs in Areas 4, 6, and 10; to a depth of 6 feet bgs in Areas 8 and 9; and, to a depth of 10 feet bgs in Area 11, as shown in Figure 4-3. Approximately 7,900 CY of soil will be excavated from the 12 areas. Post excavation verification sampling will be performed within the excavation areas as detailed in Section 6.6. A demarcation barrier will be placed at the bottom and sidewalls of the excavation as discussed in Section 6.10.

6.5 Waste Handling, Staging and Disposal

All remediation waste will be managed in accordance with local, state and federal cleanup regulations. Remediation waste will be segregated by matrix type (i.e., soil, concrete, asphalt), aqueous wastes or solid materials (e.g., PPE) and appropriately managed and disposed off-site. The remediation waste will be adequately characterized to meet the requirements of the designated facility permitted to accept the remediation waste prior to initiation of disposal activities.

Pockets of separate-phase contamination (coal tar or other viscous material) will be segregated and classified for appropriate disposal.

6.6 Verification Sampling and Analytical Procedures

Verification samples will be collected from sidewalls and bottom of excavation areas. Following the removal of contaminated soils, post-excavation soil samples from the bottom and sidewalls of excavation will be taken where excavation is:

1. Less than 20 feet in perimeter, one sample from the excavation bottom and one sample from the bottom of the sidewall biased in the direction of surface runoff will be taken.
2. Greater than or equal to 20 feet in perimeter, one sample from the bottom of each sidewall every 30 linear feet of sidewall, and one sample from the bottom of the excavation every 625 square feet (i.e., at least one sample per 25' X 25' grid).

Samples will be collected over a depth of three inches. Disposable plastic scoops will be used to collect each sample to avoid cross-contamination and so that decontamination of sampling equipment is not needed.

Samples will be collected in laboratory-supplied clean glass jars. Samples will be analyzed by an ELAP certified lab for PCBs using USEPA Methods 3550/8082 with an expedited turn-around time. Project-specific QA/QC protocols will be followed, including collecting duplicate samples and matrix spike/matrix spike duplicate samples.

If the analytical result of a verification sample is ≤ 25 ppm PCBs, soil removal activities will be considered complete in the area represented by that sample. If the analytical result exceeds 25 ppm, additional soil will be removed (either vertically or horizontally) from the area represented by that sample, and additional verification samples will be collected. The horizontal/vertical extent of the excavation will be based on contaminant concentration and site conditions and agreed upon with the NYSDEC.

6.7 Data Validation

Following receipt of the Category B data packages from the laboratory, the data will be validated in accordance with the criteria outlined in the project QAPP.

6.8 Equipment Decontamination

All moveable equipment, tools, and sampling equipment which has contacted the PCB-impacted soil will be decontaminated prior to leaving the East Yard. The Contractor will construct a decontamination pad consisting of crushed stone, and an impervious liner prior to the start of work. The Contractor will remove soil, debris, and other miscellaneous materials from the undercarriages and wheels all construction equipment and tools used by means of a high-pressure, low volume steam cleaner. Physical/mechanical agitation of soil may be used to minimize wastewater generation. The Contractor will pump rinse water generated during the decontamination procedures from the decontamination pad sump will be stored in temporary storage containers for off-site disposal or treatment at Con Edison's Astoria waste water treatment facility.

All decontamination wastes, personal protective equipment (PPE), and polyethylene that come in contact with PCB-impacted soil will be disposed of as PCB Remediation Wastes. Wastes will be segregated as to matrix, aqueous, non-aqueous liquids, or solid materials and disposed of appropriately.

6.9 Odor Control, Dust Control and Community Air Monitoring Plan

A Community Air Monitoring Plan (CAMP) was developed for previous site investigation activities at the East Yard. This plan will be reviewed and revised to cover soil excavation and loading activities and will include an action level for PCBs and/or a surrogate for PCBs. The CAMP is intended to protect site workers and the public from exposure to airborne particulates. Measures to control potential off-site transport of airborne particulates include covering soil stockpiles every day, using dust suppression techniques on dry days, and maintaining a decontamination pad for the inspection and cleaning of equipment and vehicles. If MGP material with a strong odor is exposed, odor suppression will be used, and VOC CAMP monitoring will be implemented at the site. Fence line monitoring will be conducted daily.

The remedial contractor will be required to employ dust suppression measures, as needed, most likely watering, to prevent dust generation. It is not anticipated that OSHA limits for dust or PCB exposures will be approached. Dust suppression will be employed to prevent the potential release of PCBs to the surrounding environment, and the contractor will be directed to employ dust suppression measures as needed to minimize dust generation or when dust OSHA limits are exceeded.

If nuisance odors are identified at the site boundary, or if odor complaints are received, work will be halted and the source of odors will be identified. Specific odor control measures proposed by the Contractor will be implemented, if required. At a minimum, these measures will include: (a) limiting the area of open excavations and size of soil stockpiles; (b) shrouding open excavations with tarps and other covers; and (c) using foams to cover exposed odorous soils. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-site disposal; (e) use of chemical odorants in spray or misting systems; and, (f) use of staff to monitor odors in surrounding neighborhood.

6.10 Backfilling and Site Restoration

The contractor will complete backfilling once post-excavation verification sampling results have been reviewed, MGP impacted soil removed, and it is determined that additional excavation is not required. A demarcation barrier will be placed at the bottom and sidewalls of the excavation to mark the extent and location of the clean backfill, and visually separate that from the native soil and existing fill. This layer will be made of geotextile layer and/or an orange polypropylene snow fence.

Solid waste, hazardous waste, or urban fill will not be used as backfill. Materials that are excavated or otherwise removed during spill cleanup or from a remediation site, a site suspected of contamination, or from an industrial facility will not be used as backfill. Pursuant to the requirements of DER-10, the backfill will be tested prior to use onsite to make sure it complies with the criteria set forth in 6 NYCRR Part 375 for *Restricted Residential Use*.

If the source of the backfill is from a virgin mine/pit, then one sample will be taken from initial 100 CY. Otherwise the backfill will be sampled as follows for each source:

- One sample for first 100 CY.
- One sample for next 400 CY.
- One sample for next 500 CY.
- One sample for each of the next four 1000 CY batches.
- One sample for the subsequent batch of 2000 CY.

Grab samples will be collected for VOCs; composite samples consisting of three to five grabs will be taken for all the pothole analytes.

The site grade will be brought back to pre-excavation elevation and surveyed after soil compaction is completed. This will prepare the site for subsequent paving, which is expected to occur immediately after the remedial action is completed.

6.11 Documentation of Field Activities

The field inspector will maintain a daily log of on-site activities. That log will include, but not be limited to, the following:

- Daily health and safety meetings.
- Personnel and equipment on site.
- Field procedures and observations.
- Remediation progress and extents.
- Sample locations selection criteria, samples collected, sample management, analyses performed, and sample results.
- Equipment decontamination.
- Waste transporter information.

Photographs will be taken of representative activities, such as sample locations, equipment decontamination, and soil excavation. The final extent of the excavations will also be photographed. Copies of selected photographs will be included in the *ICM Construction Completion Report* (see Section 7.0).

The horizontal extents of the soil excavations will be documented by reference to existing fixed site features such as buildings, distance from fence post, etc. Vertical extents will be measured from the surrounding ground surface. The *ICM Construction Completion Report* will include documentation of the extent and depth of the soil excavation and the new concrete pavement implemented at the site.

Manifests and/or bills of lading for the transportation and disposal of waste materials and certifications of the disposal of the wastes will be obtained from the transporter and from the treatment/disposal facility. Copies of these forms will be included in the *ICM Construction Completion Report*.

6.12 Remediation Schedule

A remediation schedule will be provided once this plan is approved by the NYSDEC. The operational needs at the site are still being discussed. Work will be done in a two- to three-phased approach, to allow for continued operations on part of the site. A detailed schedule will be provided once a contract has been awarded. Pending NYSDEC approval, Con Edison is targeting initiating remediation during the third quarter of 2015.

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7. ICM Construction Completion Report

The *ICM Construction Completion Report* will be prepared upon receipt of all validated analytical data confirming that the removal action was complete and receipt of certifications of treatment/disposal from the treatment/disposal facility. The report will include the following:

- Site description.
- A description of field procedures and site activities.
- Verification sample locations and analytical results.
- Figures depicting the final excavation extents and verification sample results.
- Figures depicting the extent of new concrete pavement
- A photographic record of the excavations and backfilling.
- Waste characterization sample data.
- Waste transport and treatment disposal information.
- Copies of waste manifests and bills of lading.

Con Edison will maintain records and documents pertaining to this remediation in a centralized location for a minimum of 3 years.

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8. References

AECOM, 2008. RCRA Facility Investigation Report, Con Edison, Astoria, NY. February 2008.

Con Edison, 2012a. Proposed Scope of Work, East Yard SWMU Soil Sampling, Con Edison, Astoria, NY. February 2012.

Con Edison, 2012b. Proposed Scope of Work, East Yard SWMU – Supplemental PCB Soil Investigation, Con Edison, Astoria NY. November 2012.

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Figures



AECOM

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Feet



CON EDISON, ASTORIA, NY

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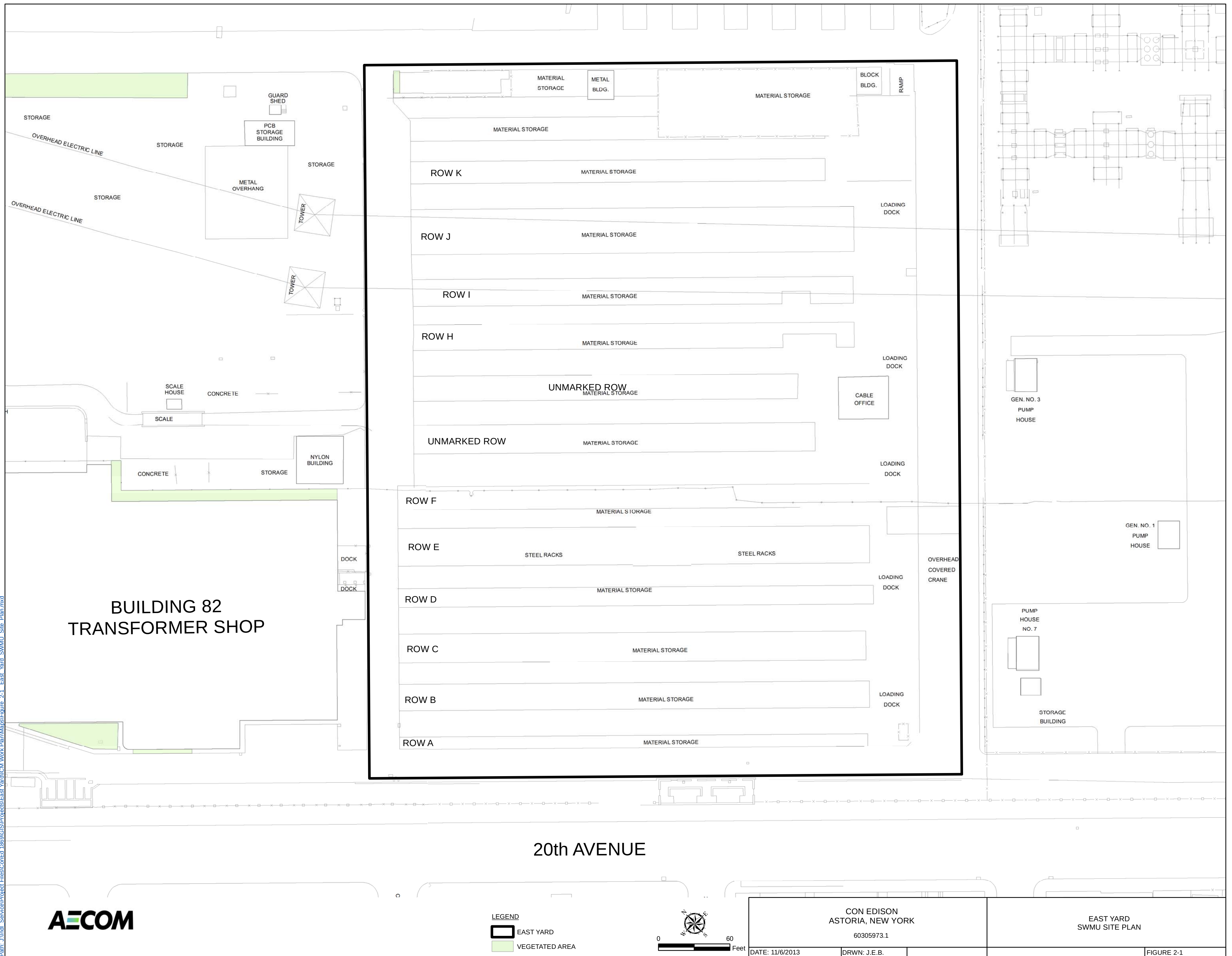
SITE LOCATION MAP

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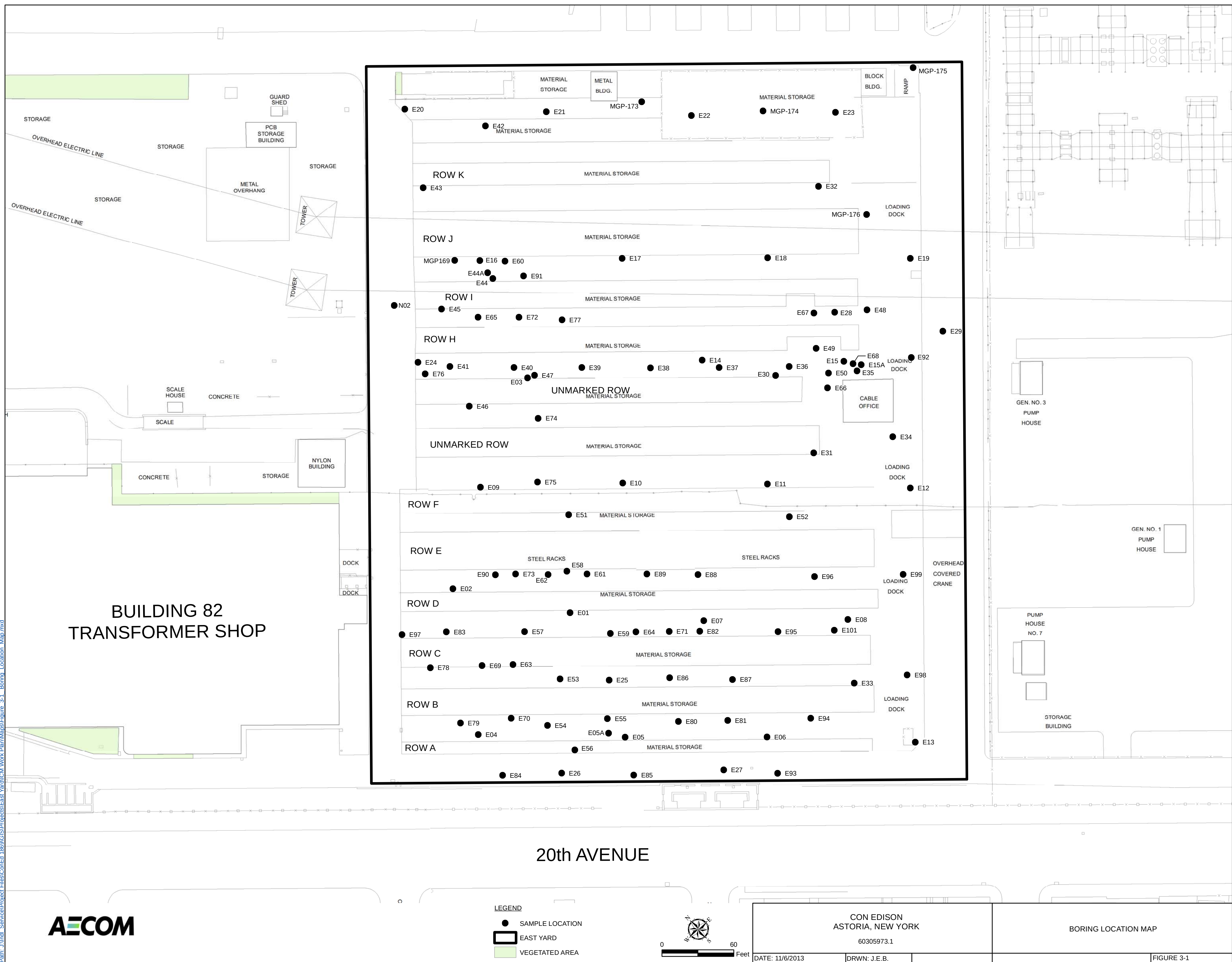
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FIGURE 1-1

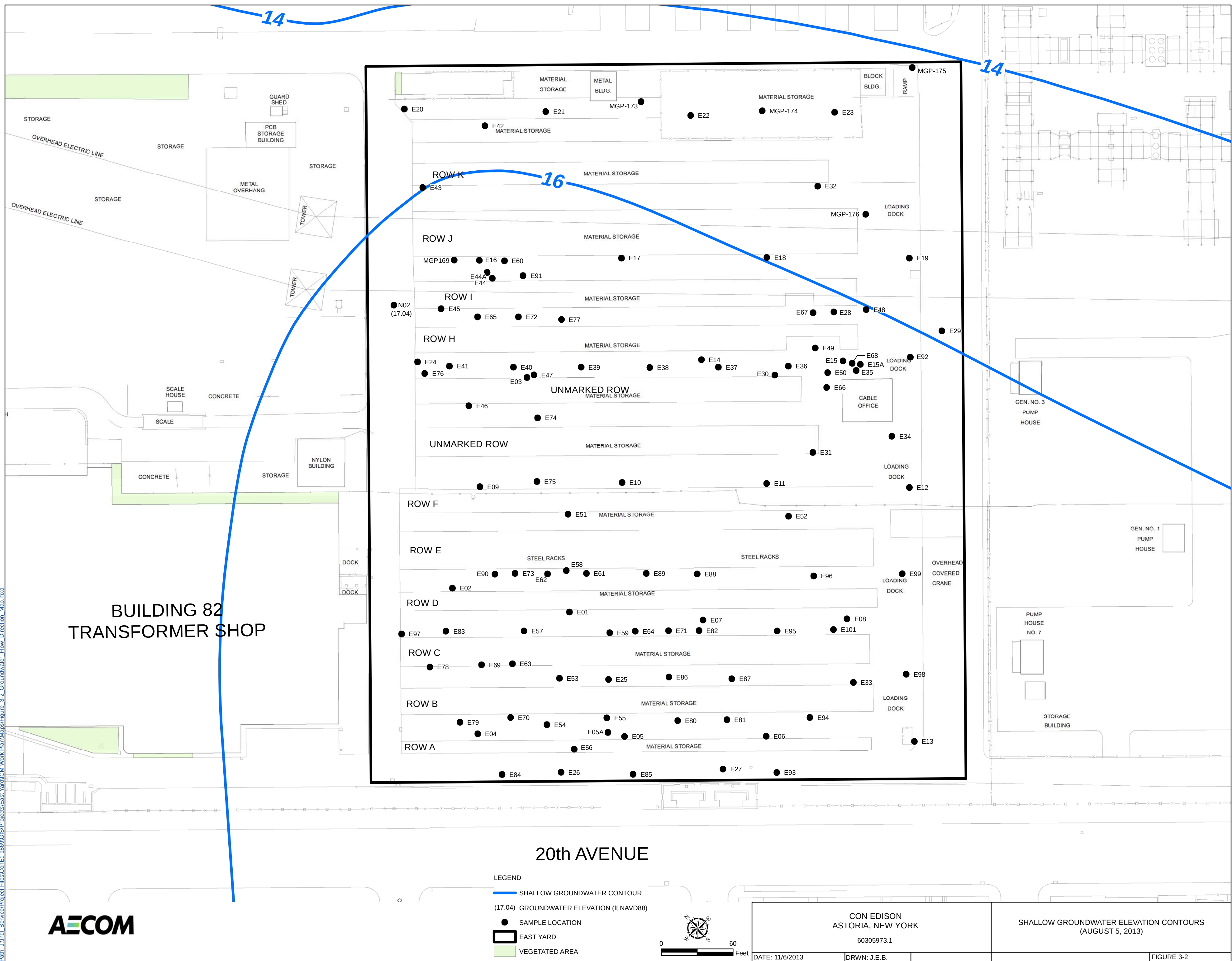
Path: J:\Indl_Services\Project Files\ConEd 1989\GIS\Projects\East Yard\CM Work Plan\Maps\Figure 2-1 East Yard SWMU Site Plan.mxd



Path: J:\Indl_Services\Project Files\ConEd 1989\GIS\Projects\East Yard\CM Work Plan\Map\Figure 3-1 Boring Location Map.mxd



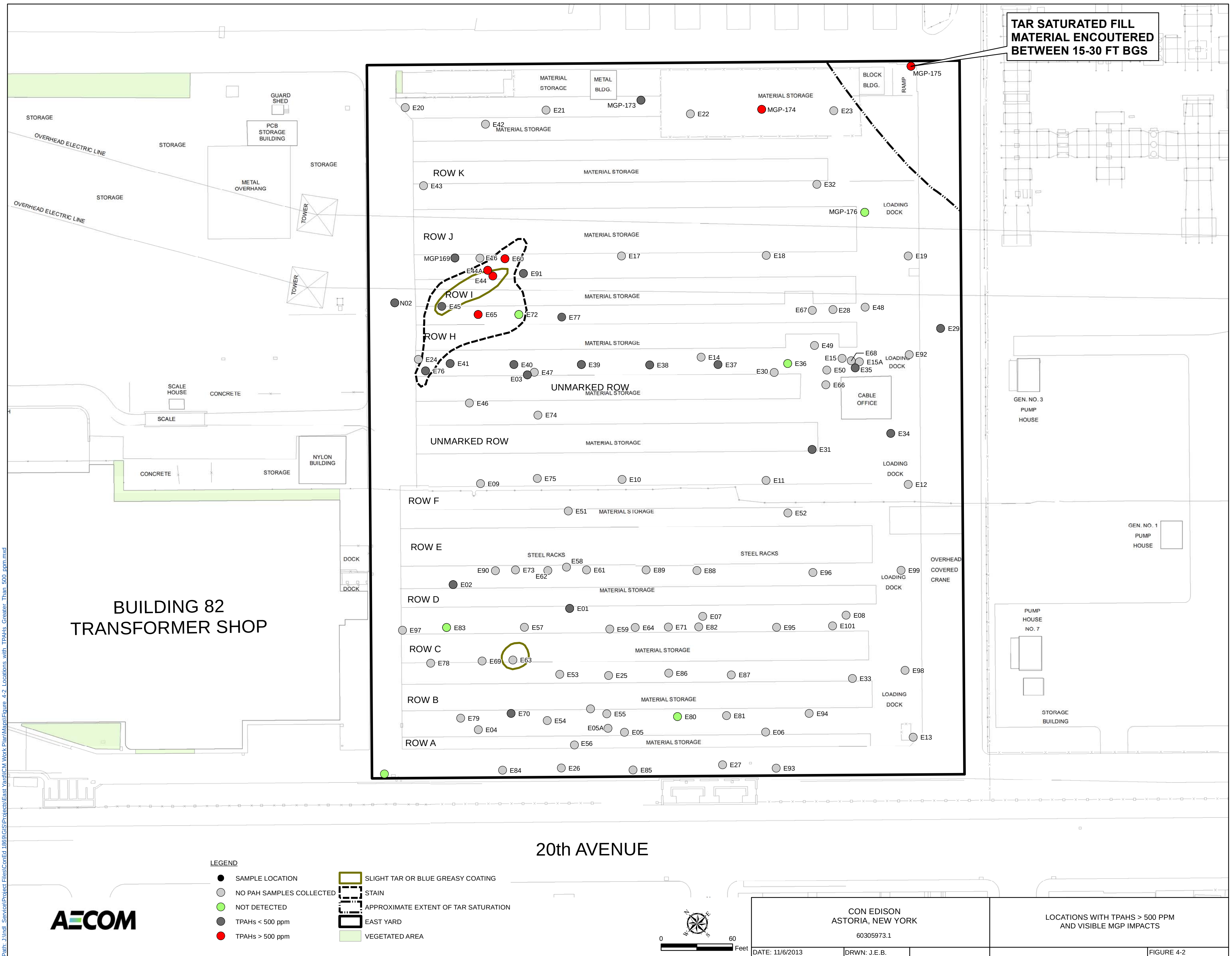
Path: J:\Indl Service\Project Files\ConEd 1989\GIS\Projects\East Yard\CM Work Plan\Map\Figure 3-2 Groundwater Flow Direction Map.mxd



Path: J:\Indl Service\Project Files\ConEd 1989\GIS\Projects\East Yard\CM Work Plan\Map\Figure 4-1 Locations with PCBs Greater Than 25 ppm.mxd



Path: J:\Indl Service\Project Files\ConEd 1989\GIS\Projects\East Yard\CM Work Plan\Map\Figure 4-2 Locations with TPAHs Greater Than 500 ppm.mxd

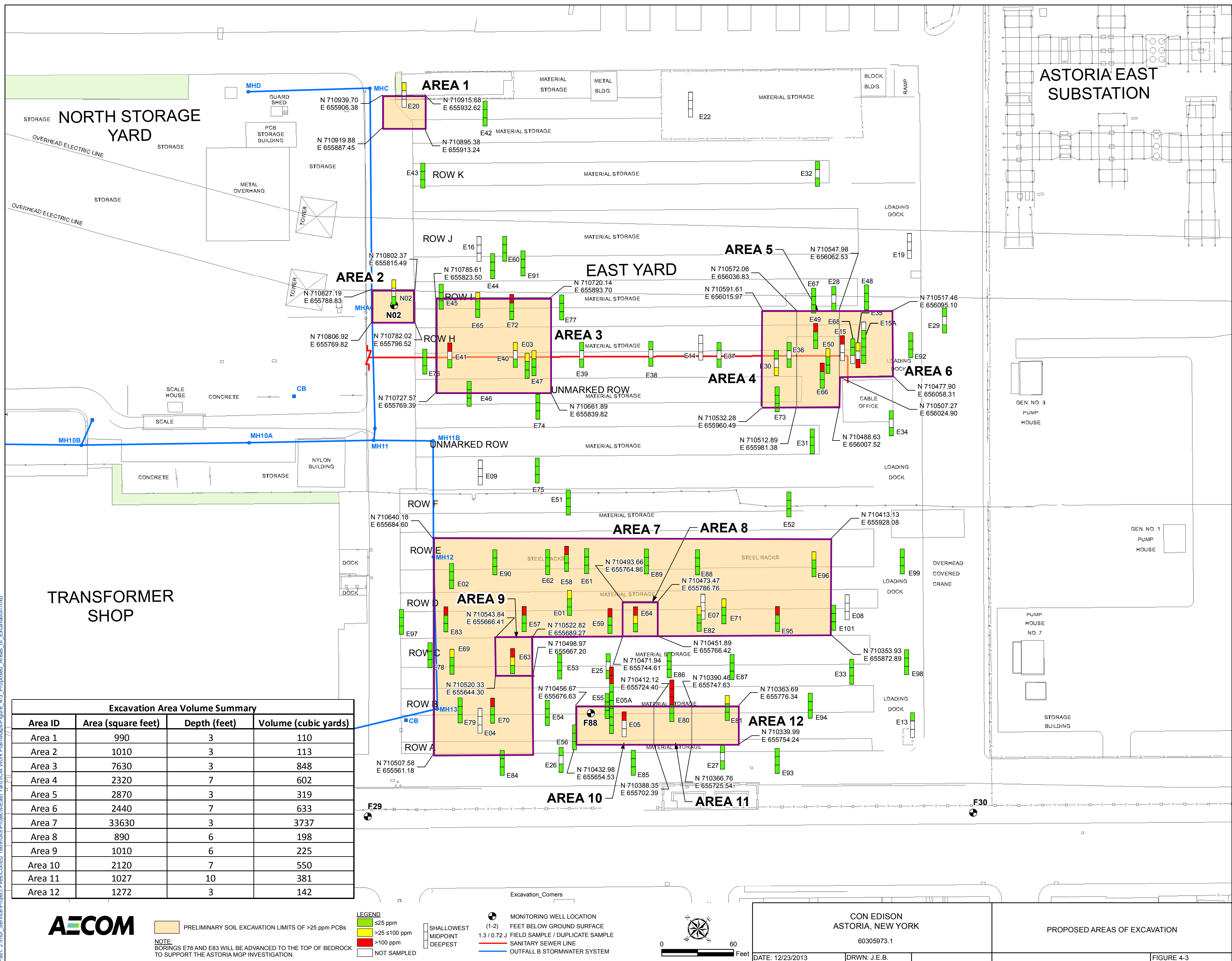


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CON EDISON ASTORIA, NEW YORK 60305973.1		LOCATIONS WITH TPAHS > 500 PPM AND VISIBLE MGP IMPACTS	
DATE: 11/6/2013	DRWN: J.E.B.		FIGURE 4-2

Path: J:\Ind_Service\Project Files\ConEd 1869\GIS\Projects\East Yard\CM Work Plan\Map\Figure 4-3_Proposed Areas of Excavation.mxd



Appendix A

Soil Analytical Results

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E01 0.75-1 5/17/1994 E01AD (DUP)	E01 0.75-1 5/17/1994 E01AS	E01 1-3 5/17/1994 E01BS	E01 9-11 5/17/1994 E01CS	E02 0.9-1.5 5/18/1994 E02AS	E02 1.5-3.5 5/18/1994 E02BS	E02 7.5-9.5 5/18/1994 E02CS	E03 1.5-2 5/18/1994 E03AS	E03 4-6 5/19/1994 E03BS	E03 8-10 5/19/1994 E03CS	E04 0.83-2.83 8/1/1995 E04AS	E05 0.83-2.83 8/1/1995 E05AD(DUP)	E05 0.83-2.83 8/1/1995 E05AS	E05 7-9 12/12/2012 E05ACD (7-9) AECOM209	E05 7-9 12/12/2012 E05ACS (7-9) AECOM209	E05 10-12 12/12/2012 E05ADS (10-12) AECOM209
BTEX (mg/Kg)																			
Benzene	71-43-2	89	NL	< 0.011 U	< 0.012 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.011 U	< 0.01 U	< 0.01 U	< 0.011 U	< 0.012 U	< 0.011 U	0.041 J	0.056	NS	NS	NS
Ethylbenzene	100-41-4	780	NL	< 0.011 U	< 0.012 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.011 U	< 0.01 U	< 0.01 UJ	< 0.011 UJ	< 0.012 UJ	< 0.011 U	0.016 J	0.023 J	NS	NS	NS
Toluene	108-88-3	1000	NL	< 0.011 U	< 0.012 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.011 U	< 0.01 U	< 0.01 UJ	< 0.011 UJ	0.001 J	< 0.011 U	0.022 J	0.027 J	NS	NS	NS
Xylenes (total)	1330-20-7	1000	NL	< 0.011 U	< 0.012 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.011 U	< 0.01 U	< 0.01 UJ	< 0.011 UJ	< 0.012 UJ	< 0.011 U	0.07	0.095	NS	NS	NS
Total BTEX	CALC-BTEX	NL	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	ND	0.149	0.201	NS	NS	NS
VOCs (mg/Kg)																			
1,1,1-Trichloroethane	71-55-6	1000	NL	< 0.011 U	< 0.012 U	< 0.011 U	< 0.012 U	0.001 J	< 0.011 U	< 0.01 U	< 0.01 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.054 U	< 0.053 U	NS	NS	NS
2-Butanone	78-93-3	1000	NL	< 0.011 U	< 0.012 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.011 U	< 0.01 U	< 0.01 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.054 U	< 0.053 U	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	< 0.011 U	0.003 J	< 0.011 U	< 0.012 U	< 0.011 U	< 0.011 U	< 0.01 U	< 0.01 UJ	< 0.011 UJ	< 0.012 UJ	< 0.011 U	< 0.054 U	< 0.053 U	NS	NS	NS
Acetone	67-64-1	1000	NL	< 0.011 U	< 0.012 U	0.046	< 0.012 U	< 0.011 U	< 0.011 U	< 0.01 U	< 0.01 U	0.09 J	0.064 J	0.007 J	0.097 J	0.091 J	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	0.001 J	< 0.012 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.011 U	< 0.01 U	< 0.01 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.054 U	< 0.053 U	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	< 0.011 U	< 0.012 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.011 U	< 0.01 U	0.001 J	< 0.011 U	0.001 J	< 0.011 U	< 0.054 U	< 0.053 U	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	< 0.011 U	< 0.012 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.011 U	< 0.01 U	< 0.01 UJ	< 0.011 UJ	< 0.012 UJ	< 0.011 U	0.25	0.33	NS	NS	NS
Chloroform	67-66-3	700	NL	< 0.011 U	< 0.012 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.011 U	< 0.01 U	< 0.01 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.054 U	< 0.053 U	NS	NS	NS
Chloromethane	74-87-3	NL	NL	< 0.011 U	< 0.012 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.011 U	< 0.01 U	< 0.01 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.054 U	< 0.053 U	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	< 0.011 U	< 0.012 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.011 U	< 0.01 U	< 0.01 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.054 U	< 0.053 U	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	< 0.011 U	< 0.012 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.011 U	< 0.01 U	< 0.01 U	0.26 J	0.25 J	< 0.011 U	< 0.054 U	< 0.053 U	NS	NS	NS
Styrene	100-42-5	NL	NL	< 0.011 U	< 0.012 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.011 U	< 0.01 U	< 0.01 UJ	< 0.011 UJ	< 0.012 UJ	< 0.011 U	< 0.054 U	< 0.053 U	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	< 0.011 U	< 0.012 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.011 U	< 0.01 U	< 0.01 UJ	< 0.011 UJ	< 0.012 UJ	< 0.011 U	< 0.054 U	< 0.053 U	NS	NS	NS
Trichloroethene	79-01-6	400	NL	< 0.011 U	< 0.012 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.011 U	< 0.01 U	< 0.01 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.054 U	< 0.053 U	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	0.001	0.003	0.046	ND	0.001	ND	ND	0.001	0.35	0.316	0.007	0.496	0.622	NS	NS	NS
PAHs (mg/Kg)																			
2-Methylnaphthalene	91-57-6	NL	NL	< 3.8 U	< 7.8 U	< 0.73 U	< 0.4 U	0.17 J	< 0.37 U	< 0.34 U	< 6.9 U	< 7.3 U	0.42 J	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	< 3.8 U	< 7.8 U	< 0.73 U	< 0.4 U	< 0.71 UJ	< 0.37 U	< 0.34 U	< 6.9 U	< 7.3 U	0.74 J	NS	NS	NS	NS	NS	NS
Acenaphthylene	208-96-8	1000	NL	0.39 J	< 7.8 U	0.31 J	< 0.4 U	1.6 J	0.1 J	< 0.34 U	< 6.9 U	2.3 J	0.74 J	NS	NS	NS	NS	NS	NS
Anthracene	120-12-7	1000	NL	< 3.8 U	< 7.8 U	0.26 J	< 0.4 U	0.9 J	0.094 J	< 0.34 U	< 6.9 U	4.2 J	3.2	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	56-55-3	11	NL	1.3 J	1.7 J	0.76	< 0.4 U	3 J	0.36 J	< 0.34 U	< 6.9 U	11	5.9	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	50-32-8	1.1	NL	1.5 J	1.5 J	0.67 J	< 0.4 U	2.7 J	0.3 J	< 0.34 U	0.94 J	13	6.5	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	205-99-2	11	NL	1.1 J	1.1 J	0.63 J	< 0.4 U	1.9 J	0.31 J	< 0.34 U	1 J	9.5	5.6	NS	NS	NS	NS	NS	NS
Benzo(ghi)perylene	191-24-2	1000	NL	1.5 J	0.91 J	< 0.73 U	0.039 J	1 J	0.34 J	< 0.34 U	< 6.9 U	9.1	4.2	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	207-08-9	110	NL	1.1 J	1.2 J	0.61 J	< 0.4 U	2.2 J	0.32 J	< 0.34 U	< 6.9 U	9.1	4.3	NS	NS	NS	NS	NS	NS
Chrysene	218-01-9	110	NL	1.9 J	2.1 J	0.92	< 0.4 U	3.3 J	0.46	< 0.34 U	0.85 J	11	5.8	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	0.42 J	< 7.8 U	< 0.73 U	< 0.4 U	0.54 J	0.11 J	< 0.34 U	< 6.9 U	3.2 J	1.6 J	NS	NS	NS	NS	NS	NS
Fluoranthene	206-44-0	1000	NL	1.6 J	2 J	0.97	< 0.4 U	2.8 J	0.52	< 0.34 U	< 6.9 U	20	12	NS	NS	NS	NS	NS	NS
Fluorene	86-73-7	1000	NL	< 3.8 U	< 7.8 U	0.17 J	< 0.4 U	0.099 J	0.037 J	< 0.34 U	< 6.9 U	1.3 J	1.1 J	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	1.1 J	0.93 J	0.41 J	< 0.4 U	1 J	0.27 J	< 0.34 U	0.66 J	8.4	4	NS	NS	NS	NS	NS	NS
Naphthalene	91-20-3	1000	NL	< 3.8 U	< 7.8 U	0.082 J	< 0.4 U	< 0.71 UJ	0.038 J	< 0.34 U									

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E01 0.75-1 5/17/1994 E01AD (DUP)	E01 0.75-1 5/17/1994 E01AS	E01 1-3 5/17/1994 E01BS	E01 9-11 5/17/1994 E01CS	E02 0.9-1.5 5/18/1994 E02AS	E02 1.5-3.5 5/18/1994 E02BS	E02 7.5-9.5 5/18/1994 E02CS	E03 1.5-2 5/18/1994 E03AS	E03 4-6 5/19/1994 E03BS	E03 8-10 5/19/1994 E03CS	E04 0.83-2.83 8/1/1995 E04AS	E05 0.83-2.83 8/1/1995 E05AD(DUP)	E05 0.83-2.83 8/1/1995 E05AS	E05 7-9 12/12/2012 E05ACD (7-9) AECOM209	E05 7-9 12/12/2012 E05ACS (7-9) AECOM209	E05 10-12 12/12/2012 E05ADS (10-12) AECOM209
Cyanide (mg/Kg)																			
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHEMISTRY																			
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.2	3.7	9.7

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethlylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E05 15-17 12/12/2012 E05AES (15-17) AECOM209	E05A 1-2 6/1/2005 E05AAS	E05A 5-6 6/1/2005 E05ACS	E05A 17-19 1/29/2013 E05AFS (17-19) AECOM215	E05A 19-21 1/29/2013 E05AGS(19-21) AECOM215	E05A 21-22.5 1/29/2013 E05AHS (21-22.5) AECOM215	E07 0.83-2.83 8/1/1995 E07AS	E08 0.83-2.83 8/1/1995 E08AS	E09 0.83-2.83 7/31/1995 E09AS	E101 1-2 1/23/2013 S1 E101AS (1-2) AECOM215	E101 4-5 1/23/2013 S1 E101BS (4-5) AECOM215	E101 7-9 1/25/2013 S1 (E101CD (7-9)) AECOM215	E101 7-9 1/25/2013 S1 (E101CS (7-9)) AECOM215	E13 1-3 8/1/1995 E13AS	E14 0.83-2.83 8/2/1995 E14AS
BTEX (mg/Kg)																		
Benzene	71-43-2	89	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	< 0.011 U
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	< 0.011 U
Toluene	108-88-3	1000	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	< 0.011 U
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	< 0.011 U
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	ND
VOCs (mg/Kg)																		
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	< 0.011 U
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.013 U	< 0.011 U	NS	NS	NS	NS	NS	< 0.011 U
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	< 0.011 U
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	0.005 J	0.068 J	< 0.011 U	NS	NS	NS	NS	NS	< 0.012 U
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	< 0.011 U
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	< 0.011 U
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	< 0.011 U
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	< 0.011 U
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	< 0.011 U
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	< 0.011 U
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	0.012	0.013	0.015	NS	NS	NS	NS	NS	< 0.011 U
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	< 0.011 U
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	< 0.011 U
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	< 0.011 U
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	NS	NS	NS	0.017	0.081	0.015	NS	NS	NS	NS	NS	ND
PAHs (mg/Kg)																		
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	208-96-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	120-12-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	56-55-3	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	50-32-8	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	205-99-2	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(ghi)perylene	191-24-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	207-08-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	218-01-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	206-44-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	86-73-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	91-20-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	85-01-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	129-00-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PAHs	CALC-PAH	NL	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVOCs (mg/Kg)																		
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total SVOCs	CALC-SVOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals (mg/Kg)																		
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																		
Aroclor 1254	11097-69-1	NL	NL	< 0.036 UJ	< 180 U	< 340 U	< 0.037 UJ	< 0.038 UJ	< 0.037 U	NS	NS	NS	< 0.038 UJ	< 0.034 U	< 0.034 U	< 0.034 U	< 3.59 UJ	NS
Aroclor 1260	11096-82-5	NL	NL	25	840 J	2200 J	7.9	11	1.4	NS	NS	NS	12	0.84	2	2	< 3.556 UJ	NS
Total PCB	CALC-PCB	25	NL	25	840	2200	7.9	11	1.4	NS	NS	NS	12	0.84	2	2	< 7.3 U	NS

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Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E05 15-17 12/12/2012 E05AES (15-17) AECOM209	E05A 1-2 6/1/2005 E05AAS	E05A 5-6 6/1/2005 E05ACS	E05A 17-19 1/29/2013 E05AFS (17-19) AECOM215	E05A 19-21 1/29/2013 E05AGS(19-21) AECOM215	E05A 21-22.5 1/29/2013 E05AHS (21-22.5) AECOM215	E07 0.83-2.83 8/1/1995 E07AS	E08 0.83-2.83 8/1/1995 E08AS	E09 0.83-2.83 7/31/1995 E09AS	E101 1-2 1/23/2013 S1 E101AS (1-2) AECOM215	E101 4-5 1/23/2013 S1 E101BS (4-5) AECOM215	E101 7-9 1/25/2013 S1 (E101CD (7-9)) AECOM215	E101 7-9 1/25/2013 S1 (E101CS (7-9)) AECOM215	E13 1-3 8/1/1995 E13AS	E14 0.83-2.83 8/2/1995 E14AS
Cyanide (mg/Kg)																		
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHEMISTRY																		
SOLIDS, PERCENT	SOLID	NL	NL	NS	90.1	96.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	9.5	NS	NS	11.5	13	10.4	NS	NS	NS	14	4.3	2.2	2	NS	NS

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethlylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E15 0.83-2.83 8/2/1995 E15AS	E15 7-9 12/12/2012 E15ACS (7-9) AECOM209	E15 10-12 12/12/2012 E15ADS (10-12) AECOM209	E15 15-17 12/12/2012 E15AES (15-17) AECOM209	E15A 1-2 6/1/2005 E15AAS	E15A 5-6 6/1/2005 E15ACS	E16 0.75-2.75 8/2/1995 E16AS	E19 1.33-3.33 8/2/1995 E19AS	E20 0.83-1.33 8/2/1995 E20AS	E22 0.75-2.75 8/3/1995 E22AS	E25 1-2 6/1/2005 E25AS	E25 5-6 6/1/2005 E25CS	E26 1-2 6/1/2005 E26AS	E26 5-6 6/1/2005 E26CS	E27 1-2 6/1/2005 E27AS	E27 5-6 6/1/2005 E27BS	E28 0-2 7/6/2005 E28AS
BTEX (mg/Kg)																				
Benzene	71-43-2	89	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS
Toluene	108-88-3	1000	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	0.001 J	< 0.011 U	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	NS	NS	NS	ND	ND	0.001	ND	NS	NS	NS	NS	NS	NS	NS
VOCs (mg/Kg)																				
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.012 U	< 0.011 U	< 0.017 U	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	NS	NS	NS	ND	ND	0.001	ND	NS	NS	NS	NS	NS	NS	NS
PAHs (mg/Kg)																				
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	208-96-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	120-12-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	56-55-3	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	50-32-8	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	205-99-2	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(ghi)perylene	191-24-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	207-08-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	218-01-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	206-44-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	86-73-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	91-20-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	85-01-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	129-00-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PAHs	CALC-PAH	NL	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVOCs (mg/Kg)																				
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total SVOCs	CALC-SVOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals (mg/Kg)																				
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																				
Aroclor 1254	11097-69-1	NL	NL	< 145 UJ	< 0.038 UJ	< 0.041 U	< 0.039 UJ	< 0.0												

Table A-1
Soil Analytical Data
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Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E15 0.83-2.83 8/2/1995 E15AS	E15 7-9 12/12/2012 E15ACS (7-9) AECOM209	E15 10-12 12/12/2012 E15ADS (10-12) AECOM209	E15 15-17 12/12/2012 E15AES (15-17) AECOM209	E15A 1-2 6/1/2005 E15AAS	E15A 5-6 6/1/2005 E15ACS	E16 0.75-2.75 8/2/1995 E16AS	E19 1.33-3.33 8/2/1995 E19AS	E20 0.83-1.33 8/2/1995 E20AS	E22 0.75-2.75 8/3/1995 E22AS	E25 1-2 6/1/2005 E25AS	E25 5-6 6/1/2005 E25CS	E26 1-2 6/1/2005 E26AS	E26 5-6 6/1/2005 E26CS	E27 1-2 6/1/2005 E27AS	E27 5-6 6/1/2005 E27BS	E28 0-2 7/6/2005 E28AS
Cyanide (mg/Kg)																				
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHEMISTRY																				
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	91.4	85.1	NS	NS	NS	NS	89.9	95.5	96.8	97.8	91.1	95.7	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	95.7
Percent Moisture	PMOIST	NL	NL	NS	13.9	19.4	14.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:
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Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethlylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

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Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E28 5-6 5/3/2006 E28CD	E28 5-6 5/3/2006 E28CS	E29 1-2 6/1/2005 E29AS	E29 5.5-7 6/1/2005 E29CS	E30 1-2 6/1/2005 E30AS	E30 5-6 6/1/2005 E30CS	E30 5-6 6/1/2005 E30CD	E31 1-2 6/1/2005 E31AD	E31 1-2 6/1/2005 E31AS	E31 5-6.5 6/1/2005 E31CS	E32 1-2 6/1/2005 E32AS	E32 5-6 6/1/2005 E32CS	E33 1-2 6/1/2005 E33AS	E33 5-6 6/1/2005 E33CS	E33 6-8 12/1/1997 E33-BS	E34 1-2 6/1/2005 E34AS	E34 5-6.5 6/1/2005 E34CS	
BTEX (mg/Kg)																					
Benzene	71-43-2	89	NL	NS	NS	0.00053 J	< 0.0071 U	NS	NS	NS	0.00064 J	< 0.0039 U	< 0.0075 U	NS	NS	NS	NS	< 1.1 UJ	< 0.0036 U	0.00066 J	
Ethylbenzene	100-41-4	780	NL	NS	NS	< 0.0052 UJ	< 0.0071 U	NS	NS	NS	< 0.0039 U	< 0.0039 U	< 0.0075 U	NS	NS	NS	NS	3.8 J	< 0.0036 U	< 0.0058 UJ	
Toluene	108-88-3	1000	NL	NS	NS	< 0.0052 UJ	< 0.0071 U	NS	NS	NS	< 0.0039 U	< 0.0039 U	< 0.0075 U	NS	NS	NS	NS	< 5.4 UJ	< 0.0036 U	< 0.0058 UJ	
Xylenes (total)	1330-20-7	1000	NL	NS	NS	ND	ND	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	82 J	ND	ND
Total BTEX	CALC-BTEX	NL	NL	NS	NS	0.00053	ND	NS	NS	NS	0.00064	ND	ND	NS	NS	NS	NS	NS	85.8	ND	0.00066
VOCs (mg/Kg)																					
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	< 0.0052 UJ	< 0.0071 U	NS	NS	NS	< 0.0039 U	< 0.0039 U	< 0.0075 U	NS	NS	NS	NS	NS	< 0.0036 U	< 0.0058 UJ	
2-Butanone	78-93-3	1000	NL	NS	NS	< 0.01 UJ	< 0.014 U	NS	NS	NS	< 0.0078 U	< 0.0078 U	< 0.015 U	NS	NS	NS	NS	NS	< 0.0073 U	< 0.012 UJ	
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	< 0.01 UJ	< 0.014 U	NS	NS	NS	< 0.0078 U	< 0.0078 U	< 0.015 U	NS	NS	NS	NS	NS	< 0.0073 U	< 0.012 UJ	
Acetone	67-64-1	1000	NL	NS	NS	0.017 J	0.01 J	NS	NS	NS	0.0096 J	0.0064 J	0.0068 J	NS	NS	NS	NS	NS	0.0075 J	0.0082 J	
Bromodichloromethane	75-27-4	NL	NL	NS	NS	< 0.0052 UJ	< 0.0071 U	NS	NS	NS	< 0.0039 U	< 0.0039 U	< 0.0075 U	NS	NS	NS	NS	NS	< 0.0036 U	< 0.0058 UJ	
Carbon disulfide	75-15-0	NL	NL	NS	NS	0.00042 J	< 0.014 U	NS	NS	NS	< 0.0078 U	< 0.0078 U	< 0.015 U	NS	NS	NS	NS	NS	0.00024 J	0.00091 J	
Chlorobenzene	108-90-7	1000	NL	NS	NS	< 0.0052 UJ	< 0.0071 U	NS	NS	NS	< 0.0039 U	< 0.0039 U	< 0.0075 U	NS	NS	NS	NS	NS	< 0.0036 U	< 0.0058 UJ	
Chloroform	67-66-3	700	NL	NS	NS	0.00060 J	0.00096 J	NS	NS	NS	< 0.0039 U	< 0.0039 U	< 0.0075 U	NS	NS	NS	NS	NS	< 0.0036 U	0.0011 J	
Chloromethane	74-87-3	NL	NL	NS	NS	< 0.0052 UJ	< 0.0071 U	NS	NS	NS	0.00027 J	< 0.0039 U	< 0.0075 U	NS	NS	NS	NS	NS	< 0.0036 U	< 0.0058 UJ	
Dibromochloromethane	124-48-1	NL	NL	NS	NS	< 0.0052 UJ	< 0.0071 U	NS	NS	NS	< 0.0039 U	< 0.0039 U	< 0.0075 U	NS	NS	NS	NS	NS	< 0.0036 U	< 0.0058 UJ	
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Methylene chloride	75-09-2	1000	NL	NS	NS	< 0.0052 UJ	< 0.0071 U	NS	NS	NS	< 0.0039 U	< 0.0039 U	< 0.0075 U	NS	NS	NS	NS	NS	< 0.0036 U	< 0.0058 UJ	
Styrene	100-42-5	NL	NL	NS	NS	< 0.0052 UJ	< 0.0071 U	NS	NS	NS	< 0.0039 U	< 0.0039 U	< 0.0075 U	NS	NS	NS	NS	NS	< 0.0036 U	< 0.0058 UJ	
Tetrachloroethene	127-18-4	300	NL	NS	NS	0.0025 J	0.00052 J	NS	NS	NS	< 0.0039 U	< 0.0039 U	< 0.0075 U	NS	NS	NS	NS	NS	< 0.0036 U	< 0.0058 UJ	
Trichloroethene	79-01-6	400	NL	NS	NS	< 0.0052 UJ	< 0.0071 U	NS	NS	NS	< 0.0039 U	< 0.0039 U	0.00049 J	NS	NS	NS	NS	NS	< 0.0036 U	< 0.0058 UJ	
Total VOCs	CALC-VOC	NL	NL	NS	NS	0.02105	0.01148	NS	NS	NS	0.01051	0.0064	0.00729	NS	NS	NS	NS	85.8	0.00774	0.01087	
PAHs (mg/Kg)																					
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Acenaphthene	83-32-9	1000	NL	NS	NS	0.24 J	1.1 J	NS	NS	NS	< 0.35 U	< 0.35 U	< 1.3 U	NS	NS	NS	NS	NS	< 0.35 U	0.25 J	
Acenaphthylene	208-96-8	1000	NL	NS	NS	0.76 J	0.51 J	NS	NS	NS	0.094 J	0.063 J	1.1 J	NS	NS	NS	NS	NS	< 0.35 U	0.36 J	
Anthracene	120-12-7	1000	NL	NS	NS	1.4	6.8	NS	NS	NS	0.052 J	0.049 J	0.71 J	NS	NS	NS	NS	NS	< 0.35 U	1.2	
Benzo(a)anthracene	56-55-3	11	NL	NS	NS	5.3	31	NS	NS	NS	0.29 J	0.26 J	4	NS	NS	NS	NS	NS	0.051 J	3.7	
Benzo(a)pyrene	50-32-8	1.1	NL	NS	NS	6.4	32	NS	NS	NS	0.36	0.31 J	2.8	NS	NS	NS	NS	NS	0.054 J	4.6	
Benzo(b)fluoranthene	205-99-2	11	NL	NS	NS	4.7	26	NS	NS	NS	0.29 J	0.26 J	1.7	NS	NS	NS	NS	NS	0.046 J	3.4	
Benzo(ghi)perylene	191-24-2	1000	NL	NS	NS	4.9	17	NS	NS	NS	0.3 J	0.24 J	1.4	NS	NS	NS	NS	NS	0.047 J	2.5	
Benzo(k)fluoranthene	207-08-9	110	NL	NS	NS	5.2	26	NS	NS	NS	0.31 J	0.25 J	1.8	NS	NS	NS	NS	NS	0.048 J	3.4	
Chrysene	218-01-9	110	NL	NS	NS	5.4	30	NS	NS	NS	0.32 J	0.29 J	4.9	NS	NS	NS	NS	NS	0.055 J	3.7	
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	NS	NS	1.3	5.9	NS	NS	NS	0.065 J	0.068 J	0.52 J	NS	NS	NS	NS	NS	< 0.35 U	0.74 J	
Fluoranthene	206-44-0	1000	NL	NS	NS	8.8	56	NS	NS	NS	0.41	0.35 J	2.8	NS	NS	NS	NS	NS	0.095 J	7.2	
Fluorene	86-73-7	1000	NL	NS	NS	0.32 J	1.9 J	NS	NS	NS	< 0.35 U	< 0.35 U	< 1.3 U	NS	NS	NS	NS	NS	< 0.35 U	0.27 J	
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	NS	NS	4.3	16	NS	NS	NS	0.25 J	0.2 J	1.2 J	NS	NS	NS	NS	NS	0.037 J	2.4	
Naphthalene	91-20-3	1000	NL	NS	NS	0.23 J	0.98 J	NS	NS	NS	< 0.35 U	< 0.35 U	< 1.3 U	NS	NS	NS	NS	NS	< 0.35 U	0.19 J	
Phenanthrene	85-01-8	1000	NL	NS	NS	4.6	24	NS	NS	NS	0.11 J	0.12 J	0.92 J	NS	NS	NS	NS	NS	0.059 J	4.1	
Pyrene	129-00-0	1000	NL	NS	NS	7.7	38	NS	NS	NS	0.45	0.4	4.9	NS	NS	NS	NS	NS	0.076 J	5.2	
Total PAHs	CALC-PAH	NL	500	NS	NS	62	310	NS	NS	NS	3.3	2.9	29	NS	NS	NS	NS	NS	0.57	43	
SVOCs (mg/Kg)																					
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS									

Table A-1 Soil Analytical Data April 2013 Astoria MGP																				
Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E28 5-6 5/3/2006 E28CD	E28 5-6 5/3/2006 E28CS	E29 1-2 6/1/2005 E29AS	E29 5.5-7 6/1/2005 E29CS	E30 1-2 6/1/2005 E30AS	E30 5-6 6/1/2005 E30CS	E30 5-6 6/1/2005 E30CD	E31 1-2 6/1/2005 E31AD	E31 1-2 6/1/2005 E31AS	E31 5-6.5 6/1/2005 E31CS	E32 1-2 6/1/2005 E32AS	E32 5-6 6/1/2005 E32CS	E33 1-2 6/1/2005 E33AS	E33 5-6 6/1/2005 E33CS	E33 6-8 12/1/1997 E33-BS	E34 1-2 6/1/2005 E34AS	E34 5-6.5 6/1/2005 E34CS
Cyanide (mg/Kg)																				
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHEMISTRY																				
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	81.1	73	88.9	87.3	87.8	93.3	93.7	79.1	88	86.5	92.8	96.4	NS	93	88.2
TOTAL SOLIDS	TSOLIDS	NL	NL	89.7	88.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
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Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E35 1-2 1/24/2012 E35 AS_01242012 AECOM159	E35 4-5 1/24/2012 E35 BS_01242012 AECOM159	E36 1-2 1/24/2012 E36 AS_01242012 AECOM159	E36 4-5 1/24/2012 E36 BS_01242012 AECOM159	E37 1-2 1/24/2012 E37 AS_01242012 AECOM159	E37 4-5 1/24/2012 E37 BS_01242012 AECOM159	E38 1-2 1/24/2012 E38 AS_01242012 AECOM159	E38 4-5 1/24/2012 E38 BS_01242012 AECOM159	E39 1-2 1/24/2012 E39 AS_01242012 AECOM159	E39 1-2 1/24/2012 E39 AD_01242012 AECOM159	E39 4-5 1/24/2012 E39 BS_01242012 AECOM159	E39 4-5 1/24/2012 E39 BD_01242012 AECOM159	E40 1-2 1/24/2012 E40 AS_01242012 AECOM159
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	14.3	15.6	4.5	8.2	7.2	10.2	11.6	14.3	14.5	13.7	13.6	9.7	12

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Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E40 4-5 1/24/2012 E40 BS_01242012 AECOM159	E41 1-2 1/24/2012 E41 AS_01242012 AECOM159	E41 4-5 1/24/2012 E41 BS_01242012 AECOM159	E42 1-2 3/22/2012 E42AS AECOM166	E42 4-5 3/22/2012 E42BS AECOM166	E42 8-9 3/22/2012 E42CD AECOM166	E42 8-9 3/22/2012 E42CS AECOM166	E43 1-2 3/22/2012 E43AS AECOM166	E43 4-5 3/22/2012 E43BS AECOM166	E43 8-9 3/22/2012 E43CS AECOM166	E44 1-2 3/20/2012 E44AS AECOM166	E44 5-6 3/20/2012 E44BS AECOM166	E44 7-9 3/21/2012 E44CS AECOM166
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	108-88-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	0.19 J	< 0.36 U	0.22 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	< 0.37 U	0.15 J	0.2 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	208-96-8	1000	NL	0.25 J	< 0.36 U	1.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	120-12-7	1000	NL	0.28 J	0.25 J	2.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	56-55-3	11	NL	1	0.94	9.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	50-32-8	1.1	NL	1	0.83	8.6 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	205-99-2	11	NL	1	1.3	9.1 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(ghi)perylene	191-24-2	1000	NL	0.61	0.34 J	3.5 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	207-08-9	110	NL	0.23 J	0.23 J	3.6 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	218-01-9	110	NL	1.1	0.96	9.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	0.17 J	0.1 J	1.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	206-44-0	1000	NL	1.5	1.9	17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	86-73-7	1000	NL	0.19 J	0.15 J	0.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	0.52	0.33 J	3.4 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	91-20-3	1000	NL	0.28 J	0.18 J	0.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	85-01-8	1000	NL	1.5	1.6	8.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	129-00-0	1000	NL	2	1.8	18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PAHs	CALC-PAH	NL	500	12	11	98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	< 0.37 U	< 0.36 U	< 0.37 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	< 0.37 U	< 0.36 U	< 0.37 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	< 0.37 U	< 0.36 U	< 0.37 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	< 0.37 U	< 0.36 U	< 0.37 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	NL	0.083 J	< 0.36 U	0.19 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	< 0.37 UJ	< 0.36 UJ	0.13 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	0.13 J	0.12 J	0.2 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	< 0.37 U	0.23 J	0.31 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	1000	NL	< 0.37 U	0.12 J	0.31 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	0.076 J	< 0.36 U	0.076 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	12	NL	< 0.37 U	< 0.36 U	< 0.37 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	1000	NL	< 0.37 U	< 0.36 U	< 0.37 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total SVOCs	CALC-SVOC	NL	NL	12.289	11.47	99.216	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals (mg/Kg)																
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganesee	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																
Aroclor 1254	11097-69-1	NL	NL	< 0.037 UJ	29 J	< 0.037 UJ	< 0.037 UJ	< 0.036 U	< 0.039 U	< 0.04 U	< 0.038 UJ	< 0.037 UJ	< 2.2 U	< 0.037 UJ	< 0.042 UJ	< 0.042 UJ
Aroclor 1260	11096-82-5	NL	NL	5.6	140	3.6	5.7	< 0.036 U	< 0.039 U	< 0.04 U	0.98	0.76	< 2.2 U	4.3	0.39	0.25
Total PCB	CALC-PCB	25	NL	5.6	170	3.6	5.7	< 0.074 U	< 0.08 U	< 0.082 U	0.98	0.76	< 4.5 U	4.3	0.39	0.25

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Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E40 4-5 1/24/2012 E40 BS_01242012 AECOM159	E41 1-2 1/24/2012 E41 AS_01242012 AECOM159	E41 4-5 1/24/2012 E41 BS_01242012 AECOM159	E42 1-2 3/22/2012 E42AS AECOM166	E42 4-5 3/22/2012 E42BS AECOM166	E42 8-9 3/22/2012 E42CD AECOM166	E42 8-9 3/22/2012 E42CS AECOM166	E43 1-2 3/22/2012 E43AS AECOM166	E43 4-5 3/22/2012 E43BS AECOM166	E43 8-9 3/22/2012 E43CS AECOM166	E44 1-2 3/20/2012 E44AS AECOM166	E44 5-6 3/20/2012 E44BS AECOM166	E44 7-9 3/21/2012 E44CS AECOM166
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	10.9	9.6	10.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

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Soil Analytical Data
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Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E44 9-11 3/21/2012 E44DS_PMOIST AECOM166	E44 9-11 3/21/2012 E44DS_CN AECOM166	E44 9-11 3/21/2012 E44DS AECOM166	E44 11-13 3/21/2012 E44ES_PCB AECOM166	E44 11-13 3/22/2012 E44ES AECOM166	E44 12-14 3/21/2012 E44FS AECOM166	E44A 10-15 7/29/2013 E44 (A) (10-15) 460-59749-1	E44A 15-20 7/29/2013 E44 (A) (15-20) 460-59749-1	E44A 20-25 7/29/2013 E44 (A) (20-25) 460-59749-1	E44A 25-29 7/29/2013 E44 (A) (25-29) 460-59749-1	E44A 30-31 7/22/2013 E44 (30-31) 460-59749-1	E45 1-2 3/21/2012 E45AS AECOM165	E45 5-6 3/21/2012 E45BS AECOM165
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	NS	NS	NS	NS	0.022 J	0.078 J	NS	NS	NS	NS	0.00019 J	NS	NS
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	NS	0.016 J	0.021 J	NS	NS	NS	NS	< 0.0010 U	NS	NS
Toluene	108-88-3	1000	NL	NS	NS	NS	NS	0.099	0.17	NS	NS	NS	NS	0.00030 J	NS	NS
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	NS	0.23	0.29	NS	NS	NS	NS	< 0.0031 U	NS	NS
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	NS	0.367	0.559	NS	NS	NS	NS	0.00049	NS	NS
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	< 0.078 U	< 0.08 U	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	< 0.078 U	< 0.08 U	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	< 0.078 U	< 0.08 U	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	0.026 J	< 0.08 U	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	< 0.078 U	< 0.08 U	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	< 0.078 U	< 0.08 U	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	< 0.078 U	< 0.08 U	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	< 0.078 U	< 0.08 U	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	< 0.078 U	< 0.08 U	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	< 0.078 U	< 0.08 U	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	< 0.078 U	< 0.08 U	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	< 0.078 U	< 0.08 U	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	0.3	0.37	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	< 0.078 UJ	< 0.08 UJ	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	< 0.078 U	< 0.08 U	NS	NS	NS	NS	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	NS	0.693	0.929	NS	NS	NS	NS	0.00049	NS	NS
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	< 5200 U	< 2600 U	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	NS	NS	NS	NS	2.8	6.4	14	< 0.37 U	< 0.42 U	< 0.39 U	< 0.39 U	NS	NS
Acenaphthylene	208-96-8	1000	NL	NS	NS	NS	NS	6.6	4	12 J	< 0.37 U	< 0.42 U	< 0.39 U	< 0.39 U	NS	NS
Anthracene	120-12-7	1000	NL	NS	NS	NS	NS	2.3 J	15	56	< 0.37 U	< 0.42 U	< 0.39 U	< 0.39 U	NS	NS
Benzo(a)anthracene	56-55-3	11	NL	NS	NS	NS	NS	9.1	24	89	< 0.037 U	< 0.042 U	< 0.039 U	< 0.039 U	NS	NS
Benzo(a)pyrene	50-32-8	1.1	NL	NS	NS	NS	NS	5.3	20	88	< 0.037 U	< 0.042 U	< 0.039 U	< 0.039 U	NS	NS
Benzo(b)fluoranthene	205-99-2	11	NL	NS	NS	NS	NS	14	29	99	< 0.037 U	< 0.042 U	< 0.039 U	< 0.039 U	NS	NS
Benzo(ghi)perylene	191-24-2	1000	NL	NS	NS	NS	NS	5.8	9.6	27	< 0.37 U	< 0.42 U	< 0.39 U	< 0.39 U	NS	NS
Benzo(k)fluoranthene	207-08-9	110	NL	NS	NS	NS	NS	5.8	10	44	< 0.037 U	< 0.042 U	< 0.039 U	< 0.039 U	NS	NS
Chrysene	218-01-9	110	NL	NS	NS	NS	NS	9.3	21	85	< 0.37 U	< 0.42 U	< 0.39 U	< 0.39 U	NS	NS
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	NS	NS	NS	NS	1.1 J	2.6 J	6.8	< 0.037 U	< 0.042 U	< 0.039 U	< 0.039 U	NS	NS
Fluoranthene	206-44-0	1000	NL	NS	NS	NS	NS	27	< 2600 U	220	< 0.37 U	< 0.42 U	< 0.39 U	< 0.39 U	NS	NS
Fluorene	86-73-7	1000	NL	NS	NS	NS	NS	6.8	9.4	25	< 0.37 U	< 0.42 U	< 0.39 U	< 0.39 U	NS	NS
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	NS	NS	NS	NS	4.7	8.2	31	< 0.037 U	< 0.042 U	< 0.039 U	< 0.039 U	NS	NS
Naphthalene	91-20-3	1000	NL	NS	NS	NS	NS	78000	21000	41	< 0.37 U	< 0.42 U	< 0.39 U	< 0.39 U	NS	NS
Phenanthrene	85-01-8	1000	NL	NS	NS	NS	NS	32	< 2600 U	190	< 0.37 U	< 0.42 U	0.06 J	< 0.39 U	NS	NS
Pyrene	129-00-0	1000	NL	NS	NS	NS	NS	28	< 2600 U	180	< 0.37 U	< 0.42 U	< 0.39 U	< 0.39 U	NS	NS
Total PAHs	CALC-PAH	NL	500	NS	NS	NS	NS	78000	21000	1207.8	< 0.37	< 0.42	0.06	< 0.39	NS	NS
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	16	7.5	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	< 0.078 U	< 0.08 U	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	< 0.078 U	< 0.08 U	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	< 0.078 U	< 0.08 U	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	< 0.078 U	< 0.08 U	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	11 J	3.1	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	25	4.6	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	11 J	2.7 J	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	< 2.6 U	< 2.6 U	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	< 2.6 UJ	< 2.6 UJ	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	< 2.6 U	< 2.6 U	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	2.3 J	5.8	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	10	8.6	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	< 2.6 U	< 2.6 U	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	< 2.6 U	< 2.6 U	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	7.4	2.2 J	NS	NS	NS	NS	NS	NS	NS
Total SVOCs	CALC-SVOC	NL	NL	NS	NS	NS	NS	78082.7	21034.5	1207.8	ND	ND	0.06	ND	NS	NS
Metals (mg/Kg)																
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	NS	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	17.9 J	NS	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 2.9 U	NS	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.4 J	NS	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.1	NS	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganesee	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.020 U	NS	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																
Aroclor 1254	11097-69-1	NL	NL	NS	NS	< 0.046 UJ	< 0.046 U	NS	NS	NS	NS	NS	NS	< 0.079 U	< 0.039 UJ	< 3.9 UJ
Aroclor 1260	11096-82-5	NL	NL	NS	NS	0.52	0.13	NS	NS	NS	NS	NS	NS	< 0.079 U	9.8	< 3.9 UJ
Total PCB	CALC-PCB	25	NL	NS	NS	0.52	0.13	NS	NS	NS	NS	NS	NS	9.8		< 7.9 U

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Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E44 9-11 3/21/2012 E44DS_PMOIST AECOM166	E44 9-11 3/21/2012 E44DS_CN AECOM166	E44 9-11 3/21/2012 E44DS AECOM166	E44 11-13 3/21/2012 E44ES_PCB AECOM166	E44 11-13 3/22/2012 E44ES AECOM166	E44 12-14 3/21/2012 E44FS AECOM166	E44A 10-15 7/29/2013 E44 (A) (10-15) 460-59749-1	E44A 15-20 7/29/2013 E44 (A) (15-20) 460-59749-1	E44A 20-25 7/29/2013 E44 (A) (20-25) 460-59749-1	E44A 25-29 7/29/2013 E44 (A) (25-29) 460-59749-1	E44A 30-31 7/22/2013 E44 (30-31) 460-59749-1	E45 1-2 3/21/2012 E45AS AECOM165	E45 5-6 3/21/2012 E45BS AECOM165
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	< 0.184779495000839 U	NS	NS	< 0.15689548850060 U	0.465	NS	NS	NS	NS	< 0.12 U	NS	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	32.4	NS	NS	NS	36.3	37.6	NS	NS	NS	NS	NS	14.9	14.8

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
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Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E45 7-9 3/21/2012 E45CS AECOM165	E45 20-22 7/22/2013 E45 (20-22) 460-59749-1	E46 1-2 3/29/2012 E46AS AECOM167	E46 4-5 3/29/2012 E46BS AECOM167	E46 8-9 3/29/2012 E46CD AECOM167	E46 8-9 3/29/2012 E46CS AECOM167	E47 1-2 3/21/2012 E47AS AECOM165	E47 4-5 3/21/2012 E47BS AECOM166	E47 8-9 3/21/2012 E47CD AECOM166	E47 8-9 3/21/2012 E47CS AECOM166	E48 1-2 3/20/2012 E48AS AECOM165	E48 4-5 3/21/2012 E48BS AECOM165	E48 8-9 3/21/2012 E48CS AECOM165
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	108-88-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	NS	< 0.38 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	208-96-8	1000	NL	NS	< 0.38 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	120-12-7	1000	NL	NS	< 0.38 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	56-55-3	11	NL	NS	< 0.038 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	50-32-8	1.1	NL	NS	< 0.038 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	205-99-2	11	NL	NS	< 0.038 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(ghi)perylene	191-24-2	1000	NL	NS	< 0.38 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	207-08-9	110	NL	NS	< 0.038 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	218-01-9	110	NL	NS	< 0.38 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	NS	< 0.038 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	206-44-0	1000	NL	NS	< 0.38 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	86-73-7	1000	NL	NS	< 0.38 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	NS	< 0.038 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	91-20-3	1000	NL	NS	0.059 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	85-01-8	1000	NL	NS	< 0.38 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	129-00-0	1000	NL	NS	< 0.38 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PAHs	CALC-PAH	NL	500	NS	0.059	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total SVOCs	CALC-SVOC	NL	NL	NS	0.059	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals (mg/Kg)																
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																
Aroclor 1254	11097-69-1	NL	NL	< 0.039 U	NS	< 0.037 UJ	< 0.039 U	< 0.037 U	< 0.037 U	< 3.6 UJ	< 3.9 U	< 0.038 U	< 0.04 U	< 0.038 UJ	< 0.037 U	< 0.041 U
Aroclor 1260	11096-82-5	NL	NL	0.044	NS	4.3	0.12	0.026 J	0.024 J	75	< 3.9 U	< 0.038 U	< 0.04 U	0.32	0.14 J	< 0.041 U
Total PCB	CALC-PCB	25	NL	0.044	NS	4.3	0.12	0.026	0.024	75	< 7.9 U	< 0.077 U	< 0.082 U	0.32	0.14	< 0.082 U

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Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E45 7-9 3/21/2012 E45CS AECOM165	E45 20-22 7/22/2013 E45 (20-22) 460-59749-1	E46 1-2 3/29/2012 E46AS AECOM167	E46 4-5 3/29/2012 E46BS AECOM167	E46 8-9 3/29/2012 E46CD AECOM167	E46 8-9 3/29/2012 E46CS AECOM167	E47 1-2 3/21/2012 E47AS AECOM165	E47 4-5 3/21/2012 E47BS AECOM166	E47 8-9 3/21/2012 E47CD AECOM166	E47 8-9 3/21/2012 E47CS AECOM166	E48 1-2 3/20/2012 E48AS AECOM165	E48 4-5 3/21/2012 E48BS AECOM165	E48 8-9 3/21/2012 E48CS AECOM165
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	14.7	NS	10.5	15.4	9.7	9.8	8	NS	NS	NS	12.4	11.8	18.5

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E49 1-2 3/20/2012 E49AS AECOM165	E49 4-5 3/21/2012 E49BS AECOM166	E49 8-9 3/21/2012 E49CS AECOM166	E50 1-2 3/20/2012 E50AS AECOM161	E50 4-5 3/20/2012 E50BS AECOM165	E50 8-9 3/20/2012 E50CS AECOM165	E51 1-2 3/19/2012 E51AS AECOM161	E51 4-5 3/19/2012 E51BS AECOM161	E51 8-9 3/19/2012 E51CS AECOM161	E52 1-2 3/19/2012 E52AS AECOM161	E52 4-5 3/20/2012 E52BS AECOM165	E52 8-9 3/20/2012 E52CS AECOM165	E53 1-2 3/15/2012 E53AS AECOM161
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	108-88-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	208-96-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	120-12-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	56-55-3	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	50-32-8	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	205-99-2	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(ghi)perylene	191-24-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	207-08-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	218-01-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	206-44-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	86-73-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	91-20-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	85-01-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	129-00-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PAHs	CALC-PAH	NL	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total SVOCs	CALC-SVOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals (mg/Kg)																
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																
Aroclor 1254	11097-69-1	NL	NL	< 1.8 UJ	< 0.04 UJ	< 0.042 UJ	< 0.37 UJ	< 0.04 UJ	< 0.039 U	< 0.036 UJ	< 0.35 UJ	< 0.35 UJ	< 0.36 UJ	< 0.038 U	< 0.036 U	4.2 J
Aroclor 1260	11096-82-5	NL	NL	910	11	0.48	97	1.3	< 0.039 U	12 J	11	10	4.5	< 0.038 U	0.029 J	14 J
Total PCB	CALC-PCB	25	NL	910	11	0.48	97	1.3	< 0.08 U	12	11	10	4.5	< 0.077 U	0.029	18

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Soil Analytical Data
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Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E49 1-2 3/20/2012 E49AS AECOM165	E49 4-5 3/21/2012 E49BS AECOM166	E49 8-9 3/21/2012 E49CS AECOM166	E50 1-2 3/20/2012 E50AS AECOM161	E50 4-5 3/20/2012 E50BS AECOM165	E50 8-9 3/20/2012 E50CS AECOM165	E51 1-2 3/19/2012 E51AS AECOM161	E51 4-5 3/19/2012 E51BS AECOM161	E51 8-9 3/19/2012 E51CS AECOM161	E52 1-2 3/19/2012 E52AS AECOM161	E52 4-5 3/20/2012 E52BS AECOM165	E52 8-9 3/20/2012 E52CS AECOM165	E53 1-2 3/15/2012 E53AS AECOM161
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	7.5	NS	NS	11.2	17	16.2	8.3	6.1	5.7	8.7	13.1	9.4	13.8

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E53 4-5 3/20/2012 E53BS AECOM165	E53 8-9 3/20/2012 E53CD AECOM165	E53 8-9 3/20/2012 E53CS AECOM165	E54 1-2 3/15/2012 E54AS AECOM161	E54 4-5 3/20/2012 E54BS AECOM161	E54 8-9 3/20/2012 E54CS AECOM161	E55 1-2 3/15/2012 E55AS AECOM161	E55 4-5 3/20/2012 E55BS AECOM161	E55 8-9 3/20/2012 E55CS AECOM161	E56 1-2 3/14/2012 E56AS AECOM161	E56 4-5 3/20/2012 E56BS AECOM161	E56 8-9 3/20/2012 E56CS AECOM161	E57 1-2 3/15/2012 E57AS AECOM161
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	108-88-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	208-96-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	120-12-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	56-55-3	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	50-32-8	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	205-99-2	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(ghi)perylene	191-24-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	207-08-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	218-01-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	206-44-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	86-73-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	91-20-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	85-01-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	129-00-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PAHs	CALC-PAH	NL	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total SVOCs	CALC-SVOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals (mg/Kg)																
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																
Aroclor 1254	11097-69-1	NL	NL	< 0.035 UJ	< 0.036 UJ	< 0.036 UJ	0.95 J	< 0.35 UJ	< 0.34 UJ	2.2 J	< 0.					

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Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E53 4-5 3/20/2012 E53BS AECOM165	E53 8-9 3/20/2012 E53CD AECOM165	E53 8-9 3/20/2012 E53CS AECOM165	E54 1-2 3/15/2012 E54AS AECOM161	E54 4-5 3/20/2012 E54BS AECOM161	E54 8-9 3/20/2012 E54CS AECOM161	E55 1-2 3/15/2012 E55AS AECOM161	E55 4-5 3/20/2012 E55BS AECOM161	E55 8-9 3/20/2012 E55CS AECOM161	E56 1-2 3/14/2012 E56AS AECOM161	E56 4-5 3/20/2012 E56BS AECOM161	E56 8-9 3/20/2012 E56CS AECOM161	E57 1-2 3/15/2012 E57AS AECOM161
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	4.7	8.7	8.4	8.3	4.4	3.9	11.6	3.1	8.9	12.1	2.9	4.8	10.2

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethlylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E57 4-5 3/15/2012 E57BS AECOM161	E57 8-9 3/20/2012 E57CS AECOM165	E58 1-2 3/16/2012 E58AS AECOM161	E58 4-5 3/20/2012 E58BS AECOM165	E58 8-9 3/20/2012 E58CS AECOM165	E59 1-2 3/16/2012 E59AD AECOM161	E59 1-2 3/16/2012 E59AS AECOM161	E59 4-5 3/20/2012 E59BS AECOM165	E59 8-9 3/20/2012 E59CS AECOM165	E60 1-2 4/4/2012 E60AS AECOM169	E60 5-6 4/4/2012 E60BS AECOM169	E60 7-9 4/4/2012 E60CS AECOM169	E60 9-11 4/4/2012 E60DS AECOM169
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	108-88-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	17
Acenaphthene	83-32-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	10
Acenaphthylene	208-96-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	31
Anthracene	120-12-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	63
Benzo(a)anthracene	56-55-3	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	160
Benzo(a)pyrene	50-32-8	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	140
Benzo(b)fluoranthene	205-99-2	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	160
Benzo(ghi)perylene	191-24-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	48 J
Benzo(k)fluoranthene	207-08-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	66 J
Chrysene	218-01-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	150
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	16 J
Fluoranthene	206-44-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	360
Fluorene	86-73-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	32
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	53 J
Naphthalene	91-20-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	36
Phenanthrene	85-01-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	360
Pyrene	129-00-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	340
Total PAHs	CALC-PAH	NL	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2000
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	6.4
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.7 J
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.3 J
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.2 J
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3 J
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 5.1 UJ
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 5.1 U
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	26
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	27
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 5.1 U
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 5.1 U
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.2 J
Total SVOCs	CALC-SVOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2070.8
Metals (mg/Kg)																
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																
Aroclor 1254	11097-69-1	NL	NL	< 0.034 UJ	< 0.034 UJ	< 0.036 UJ	< 0.034 U	< 0.034 U	< 0.036 UJ	< 0.036 UJ	< 0.034 U	< 0.036 U	< 0.038 U	< 0.037 U	< 0.039 U	NS
Aroclor 1260	11096-82-5	NL	NL	1.3	0.34	130	0.034 J	0.019 J	180	150	0.11	< 0.036 U	0.061	< 0.037 U	0.051 J	NS
Total PCB	CALC-PCB	25	NL	1.3	0.34	130	0.034	0.019	180	150	0.11	< 0.073 U	0.061	< 0.075 U	0.051	NS

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E57 4-5 3/15/2012 E57BS AECOM161	E57 8-9 3/20/2012 E57CS AECOM165	E58 1-2 3/16/2012 E58AS AECOM161	E58 4-5 3/20/2012 E58BS AECOM165	E58 8-9 3/20/2012 E58CS AECOM165	E59 1-2 3/16/2012 E59AD AECOM161	E59 1-2 3/16/2012 E59AS AECOM161	E59 4-5 3/20/2012 E59BS AECOM165	E59 8-9 3/20/2012 E59CS AECOM165	E60 1-2 4/4/2012 E60AS AECOM169	E60 5-6 4/4/2012 E60BS AECOM169	E60 7-9 4/4/2012 E60CS AECOM169	E60 9-11 4/4/2012 E60DS AECOM169
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	3.8	2.7	8.2	3.1	2.7	8.7	8.8	3.7	8.5	12.4	11.2	15.9	35.7

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E60 10-15 7/19/2013 E60 (15-20) 460-59749-1	E60 15-20 7/19/2013 E60 (10-15) 460-59749-1	E60 20-25 7/19/2013 E60 (20-25) 460-59749-1	E61 1-2 4/2/2012 E61AS AECOM167	E61 4-5 4/2/2012 E61BS AECOM167	E61 8-9 4/2/2012 E61CS AECOM167	E62 1-2 4/2/2012 E62AD AECOM167	E62 1-2 4/2/2012 E62AS AECOM167	E62 4-5 4/2/2012 E62BS AECOM167	E62 8-9 4/2/2012 E62CS AECOM167	E63 1-2 3/29/2012 E63AD AECOM168	E63 1-2 3/29/2012 E63AS AECOM168	E63 3-4 3/29/2012 E63A1S AECOM168
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	108-88-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	0.11 J	0.52	< 0.4 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	208-96-8	1000	NL	0.23 J	0.86	< 0.4 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	120-12-7	1000	NL	0.61	2.1	< 0.4 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	56-55-3	11	NL	0.91	3.5	0.059	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	50-32-8	1.1	NL	1.1	3.6	0.076	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	205-99-2	11	NL	1.2	3.6	0.064	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(ghi)perylene	191-24-2	1000	NL	1.1	3	< 0.4 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	207-08-9	110	NL	0.37	1.6	0.028 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	218-01-9	110	NL	0.91	3.1	0.048 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	0.12	0.6	< 0.04 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	206-44-0	1000	NL	2.5	6.7	0.12 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	86-73-7	1000	NL	0.14 J	1.1	< 0.4 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	0.94	2.8	< 0.04 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	91-20-3	1000	NL	0.21 J	3.3	< 0.4 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	85-01-8	1000	NL	2.8	7.3	0.13 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	129-00-0	1000	NL	2.6	5.7	0.1 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PAHs	CALC-PAH	NL	500	15.85	49.38	0.625	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total SVOCs	CALC-SVOC	NL	NL	15.85	49.38	0.625	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals (mg/Kg)																
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																
Aroclor 1254	11097-69-1	NL	NL	NS	NS	NS	< 0.035 UJ	< 0.034 U	< 0.036 UJ	< 0.036 UJ	< 0.036 UJ	< 0.035 U	< 0.034 U	< 0.037 UJ	< 0.038 UJ	< 0.038 UJ
Aroclor 1260	11096-82-5	NL	NL	NS	NS	NS	1.2	0.068	0.47	4.9 J	2.2 J	< 0.035 U	< 0.034 U	1200	1400	90
Total PCB	CALC-PCB	25	NL	NS	NS	NS	1.2	0.068	0.47	4.9	2.2	< 0.071 U	< 0.069 U	1200	1400	90

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Soil Analytical Data
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Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E60 10-15 7/19/2013 E60 (15-20) 460-59749-1	E60 15-20 7/19/2013 E60 (10-15) 460-59749-1	E60 20-25 7/19/2013 E60 (20-25) 460-59749-1	E61 1-2 4/2/2012 E61AS AECOM167	E61 4-5 4/2/2012 E61BS AECOM167	E61 8-9 4/2/2012 E61CS AECOM167	E62 1-2 4/2/2012 E62AD AECOM167	E62 1-2 4/2/2012 E62AS AECOM167	E62 4-5 4/2/2012 E62BS AECOM167	E62 8-9 4/2/2012 E62CS AECOM167	E63 1-2 3/29/2012 E63AD AECOM168	E63 1-2 3/29/2012 E63AS AECOM168	E63 3-4 3/29/2012 E63A1S AECOM168
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	NS	NS	NS	6.9	3.8	7.7	8.8	9.1	5	3.5	12	12.4	13.2

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethhylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E63 4-5 3/29/2012 E63BS AECOM168	E63 8-9 3/29/2012 E63CS AECOM168	E64 1-2 3/30/2012 E64AS AECOM168	E64 4-5 3/30/2012 E64BD AECOM168	E64 4-5 3/30/2012 E64BS AECOM168	E64 8-9 3/30/2012 E64CS AECOM168	E65 1-2 4/3/2012 E65AS AECOM167	E65 5-6 4/3/2012 E65BD AECOM169	E65 5-6 4/3/2012 E65BS AECOM169	E65 7-9 4/3/2012 E65CS AECOM169	E65 13-15 7/26/2013 E65 (13-15) 460-59749-1	E65 15-20 7/26/2013 E65 (15-20) 460-59749-1	E65 20-25 7/26/2013 E65 (20-25) 460-59749-1
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.00095 U	NS
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.00095 U	NS
Toluene	108-88-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.00020 J	NS
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0028 U	NS
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0002	NS
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0002	NS
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	38	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	11	< 0.43 U	< 0.38 U	< 0.37 U
Acenaphthylene	208-96-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	21	< 0.43 U	< 0.38 U	< 0.37 U
Anthracene	120-12-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	130	< 0.43 U	< 0.38 U	< 0.37 U
Benzo(a)anthracene	56-55-3	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	160	0.015 J	0.024 J	< 0.037 U
Benzo(a)pyrene	50-32-8	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	140	< 0.043 U	0.016 J	< 0.037 U
Benzo(b)fluoranthene	205-99-2	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	170	< 0.043 U	0.016 J	< 0.037 U
Benzo(ghi)perylene	191-24-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	36 J	< 0.43 U	< 0.38 U	< 0.37 U
Benzo(k)fluoranthene	207-08-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	54 J	< 0.043 U	0.0071 J	< 0.037 U
Chrysene	218-01-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	150	< 0.43 U	< 0.38 U	< 0.37 U
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	15 J	< 0.043 U	< 0.038 U	< 0.037 U
Fluoranthene	206-44-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	430	< 0.43 U	< 0.38 U	< 0.37 U
Fluorene	86-73-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	42	< 0.43 U	< 0.38 U	< 0.37 U
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	46 J	< 0.043 U	0.0078 J	< 0.037 U
Naphthalene	91-20-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	180	< 0.43 U	< 0.38 U	< 0.37 U
Phenanthrene	85-01-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	480	< 0.43 U	< 0.38 U	< 0.37 U
Pyrene	129-00-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	360	< 0.43 U	0.045 J	< 0.37 U
Total PAHs	CALC-PAH	NL	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	2500	0.015	0.1159	< 0.37
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	9.1	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.6 J	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.8 J	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.1 J	NS	NS	NS
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 U	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 UJ	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 U	NS	NS	NS
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	29	NS	NS	NS
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	50	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 U	NS	NS	NS
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 U	NS	NS	NS
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.1 J	NS	NS	NS
Total SVOCs	CALC-SVOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	2600.7	0.015	0.1159	ND
Metals (mg/Kg)																
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.5	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	81.3	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.96 U	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	32.6	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	7.2	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.020 U	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																
Aroclor 1254	11097-69-1	NL	NL	< 0.034 UJ	< 0.034 UJ	< 0.036 UJ	< 0.034 UJ	< 0.034 UJ	< 0.035 U	< 0.037 UJ	< 78 U	< 78 U	< 0.038 U	NS	< 0.077 U	NS
Aroclor 1260	11096-82-5	NL	NL	42	20	280	37	37	0.18	47 J	< 78 U	< 78 U	< 0.038 U	NS	< 0.077 U	NS
Total PCB	CALC-PCB	25	NL	42	20	280	37	37	0.18	47	< 160 U	< 160 U	< 0.077 U	NS		NS

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E63 4-5 3/29/2012 E63BS AECOM168	E63 8-9 3/29/2012 E63CS AECOM168	E64 1-2 3/30/2012 E64AS AECOM168	E64 4-5 3/30/2012 E64BD AECOM168	E64 4-5 3/30/2012 E64BS AECOM168	E64 8-9 3/30/2012 E64CS AECOM168	E65 1-2 4/3/2012 E65AS AECOM167	E65 5-6 4/3/2012 E65BD AECOM169	E65 5-6 4/3/2012 E65BS AECOM169	E65 7-9 4/3/2012 E65CS AECOM169	E65 13-15 7/26/2013 E65 (13-15) 460-59749-1	E65 15-20 7/26/2013 E65 (15-20) 460-59749-1	E65 20-25 7/26/2013 E65 (20-25) 460-59749-1
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.11	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	3	3.1	8.7	3.2	3	4.7	11.2	14.3	14.9	12.6	NS	NS	NS

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethlylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E66 1-2 4/3/2012 E66AS AECOM167	E66 4-5 4/3/2012 E66BS AECOM167	E66 8-9 4/3/2012 E66CS AECOM167	E67 1-2 4/3/2012 E67AS AECOM167	E67 4-5 4/3/2012 E67BS AECOM167	E67 8-9 4/3/2012 E67CS AECOM167	E68 1-2 3/30/2012 E68AS AECOM168	E68 4-5 3/30/2012 E68BS AECOM168	E69 1-2 4/5/2012 E69AS AECOM169	E69 4-5 4/5/2012 E69BS AECOM169	E69 8-9 4/5/2012 E69CS AECOM169	E70 - 4/10/2012 D-41 (E70) AECOM175	E70 - 4/10/2012 D-42 (E70) AECOM175
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	< 0.01 U
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	< 0.01 U
Toluene	108-88-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	< 0.01 U
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	< 0.01 U
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	< 0.01 U
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	< 0.01 U
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	< 0.01 U
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.008 J	0.009 J
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	< 0.01 U
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	< 0.01 U
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.003 J	< 0.01 U
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	< 0.01 U
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	< 0.01 U
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	< 0.01 U
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	< 0.01 U
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	< 0.01 U
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	< 0.01 U
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.01 UJ	< 0.01 UJ
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	< 0.01 U
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.011	0.009
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.23 J	0.16 J
Acenaphthene	83-32-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.4	0.31 J
Acenaphthylene	208-96-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.078 J	< 0.34 U
Anthracene	120-12-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.12 J	< 0.34 U
Benzo(a)anthracene	56-55-3	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.32 J	0.1 J
Benzo(a)pyrene	50-32-8	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.28 J	0.084 J
Benzo(b)fluoranthene	205-99-2	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.37	0.1 J
Benzo(ghi)perylene	191-24-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.15 J	< 0.34 U
Benzo(k)fluoranthene	207-08-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.18 J	< 0.34 U
Chrysene	218-01-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.35	0.1 J
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	< 0.34 U
Fluoranthene	206-44-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	0.22 J
Fluorene	86-73-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.19 J	0.13 J
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.15 J	< 0.34 U
Naphthalene	91-20-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.57	0.41
Phenanthrene	85-01-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.42	0.2 J
Pyrene	129-00-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.72	0.22 J
Total PAHs	CALC-PAH	NL	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.5	2
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	< 0.34 U
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.062	0.002 J
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	< 0.01 U
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005 J	< 0.01 U
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.063	< 0.01 U
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.34 UJ	< 0.34 UJ
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	< 0.34 U
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.34 UJ	< 0.34 UJ
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.11 J	0.13 J
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.34 UJ	< 0.34 UJ
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	0.16 J
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	< 0.34 U
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	< 0.34 U
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.14 J	0.096 J
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	< 0.34 U
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	< 0.34 U
Total SVOCs	CALC-SVOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.88	2.388
Metals (mg/Kg)																
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																
Aroclor 1254	11097-69-1	NL	NL	< 0.036 UJ	< 0.039 U	< 0.041 U	< 0.035 U	< 0.038 U	< 0.039 U	< 0.034 UJ	< 0.038 UJ	< 0.038 UJ	< 0.034 UJ	< 0.034 UJ	NS	NS
Aroclor 1260	11096-82-5	NL	NL	190	0.03 J	< 0.041 U	0.018 J	0.035 J	< 0.039 U	1.7	21	26	0.35	0.13	NS	NS
Total PCB	CALC-PCB	25	NL	190	0.03	< 0.084 U	0.018	0.035	< 0.08 U	1.7	21	26	0.35	0.13	NS	NS

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E66 1-2 4/3/2012 E66AS AECOM167	E66 4-5 4/3/2012 E66BS AECOM167	E66 8-9 4/3/2012 E66CS AECOM167	E67 1-2 4/3/2012 E67AS AECOM167	E67 4-5 4/3/2012 E67BS AECOM167	E67 8-9 4/3/2012 E67CS AECOM167	E68 1-2 3/30/2012 E68AS AECOM168	E68 4-5 3/30/2012 E68BS AECOM168	E69 1-2 4/5/2012 E69AS AECOM169	E69 4-5 4/5/2012 E69BS AECOM169	E69 8-9 4/5/2012 E69CS AECOM169	E70 - 4/10/2012 D-41 (E70) AECOM175	E70 - 4/10/2012 D-42 (E70) AECOM175
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	9.3	15.2	20.2	5.6	12.4	16.3	1.6	13.5	14	3.6	2.7	4.3	3

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E70 1-2 4/5/2012 E70AS AECOM172	E70 1-2 4/5/2012 E70AS AECOM173	E70 4-5 4/5/2012 E70BS AECOM173	E70 8-9 4/5/2012 E70CS AECOM173	E71 1-2 4/6/2012 E71AS AECOM173	E71 4-5 4/6/2012 E71BD AECOM173	E71 4-5 4/6/2012 E71BS AECOM173	E71 8-9 4/6/2012 E71CS AECOM173	E72 1-2 4/6/2012 E72AS AECOM173	E72 5-6 4/6/2012 E72BS AECOM173	E72 7-9 4/6/2012 E72CS AECOM173	E72 10-15 7/26/2013 E72 (10-15) 460-59749-1	E72 15-20 7/26/2013 E72 (15-20) 460-59749-1
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	< 100000000 U	0.007 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	100-41-4	780	NL	NS	0.002 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	108-88-3	1000	NL	NS	< 0.011 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	1330-20-7	1000	NL	NS	0.002 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total BTEX	CALC-BTEX	NL	NL	NS	0.011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	< 0.011 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	1000	NL	< 100000000 U	0.007 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	< 0.011 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	0.027	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	< 0.011 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	< 0.011 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	100000000	2.9 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	700	NL	< 100000000 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	< 0.011 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	< 0.011 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	0.006 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	< 0.011 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	0.002 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	< 100000000 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	400	NL	< 100000000 U	< 0.011 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	2.953	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.4 U	< 0.39 U
Acenaphthylene	208-96-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.4 U	< 0.39 U
Anthracene	120-12-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.4 U	< 0.39 U
Benzo(a)anthracene	56-55-3	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.04 U	< 0.039 U
Benzo(a)pyrene	50-32-8	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.04 U	< 0.039 U
Benzo(b)fluoranthene	205-99-2	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.04 U	< 0.039 U
Benzo(ghi)perylene	191-24-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.4 U	< 0.39 U
Benzo(k)fluoranthene	207-08-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.04 U	< 0.039 U
Chrysene	218-01-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.4 U	< 0.39 U
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.04 U	< 0.039 U
Fluoranthene	206-44-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.4 U	< 0.39 U
Fluorene	86-73-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.4 U	< 0.39 U
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.04 U	< 0.039 U
Naphthalene	91-20-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.4 U	< 0.39 U
Phenanthrene	85-01-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.4 U	< 0.39 U
Pyrene	129-00-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.4 U	< 0.39 U
Total PAHs	CALC-PAH	NL	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.4	< 0.39
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	39 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	0.099	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	6.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	100000000	85	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total SVOCs	CALC-SVOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Metals (mg/Kg)																
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																
Aroclor 1254	11097-69-1	NL	NL	NS	< 0.036 UJ	< 0.034 UJ	< 0.035 UJ	< 0.037 UJ	< 0.036 UJ	< 0.036 UJ	< 0.034 U	< 0.034 UJ	< 0.036 UJ	< 4 U	NS	NS
Aroclor 1260	11096-82-5	NL	NL	NS	950	7	2.9	110	24 J	11 J	0.053	390	1.3	< 4 U	NS	NS
Total PCB	CALC-PCB	25	NL	NS	950	7	2.9	110	24	11	0.053	390	1.3	< 8.2 U	NS	NS

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E70 1-2 4/5/2012 E70AS AECOM172	E70 1-2 4/5/2012 E70AS AECOM173	E70 4-5 4/5/2012 E70BS AECOM173	E70 8-9 4/5/2012 E70CS AECOM173	E71 1-2 4/6/2012 E71AS AECOM173	E71 4-5 4/6/2012 E71BD AECOM173	E71 4-5 4/6/2012 E71BS AECOM173	E71 8-9 4/6/2012 E71CS AECOM173	E72 1-2 4/6/2012 E72AS AECOM173	E72 5-6 4/6/2012 E72BS AECOM173	E72 7-9 4/6/2012 E72CS AECOM173	E72 10-15 7/26/2013 E72 (10-15) 460-59749-1	E72 15-20 7/26/2013 E72 (15-20) 460-59749-1
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	NS	8.8	5.3	5.3	12.6	8.9	9.1	3.5	8	11.7	19.8	NS	NS

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethlylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E72 20-25 7/26/2013 E72 (20-25) 460-59749-1	E73 1-2 4/9/2012 E73AS AECOM173	E73 4-5 4/9/2012 E73BS AECOM175	E73 8-9 4/9/2012 E73CS AECOM175	E74 1-2 4/9/2012 E74AS AECOM173	E74 4-5 4/9/2012 E74BS AECOM173	E74 8-9 4/9/2012 E74CD AECOM173	E74 8-9 4/9/2012 E74CS AECOM173	E75 1-2 4/9/2012 E75AS AECOM175	E75 4-5 4/10/2012 E75BS AECOM175	E75 8-9 4/10/2012 E75CD AECOM175	E75 8-9 4/10/2012 E75CS AECOM175	E76 1-2 12/10/2012 E76AS (1-2) AECOM206
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	108-88-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	< 0.42 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	208-96-8	1000	NL	< 0.42 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	120-12-7	1000	NL	< 0.42 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	56-55-3	11	NL	< 0.042 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	50-32-8	1.1	NL	< 0.042 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	205-99-2	11	NL	< 0.042 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(ghi)perylene	191-24-2	1000	NL	< 0.42 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	207-08-9	110	NL	< 0.042 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	218-01-9	110	NL	< 0.42 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	< 0.042 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	206-44-0	1000	NL	< 0.42 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	86-73-7	1000	NL	< 0.42 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	< 0.042 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	91-20-3	1000	NL	< 0.42 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	85-01-8	1000	NL	< 0.42 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	129-00-0	1000	NL	< 0.42 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PAHs	CALC-PAH	NL	500	< 0.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total SVOCs	CALC-SVOC	NL	NL	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals (mg/Kg)																
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																
Aroclor 1254	11097-69-1	NL	NL	NS	< 0.037 U	< 0.038 UJ	< 30 U	< 0.037 UJ	< 0.041 U	< 0.038 U	< 0.039 U	< 0.036 UJ	< 0.035 UJ	< 0.035 U	< 0.035 U	< 0.04 UJ
Aroclor 1260	11096-82-5	NL	NL	NS	3.1	0.22	< 30 U	0.44	< 0.041 U	< 0.038 U	0.033 J	20	0.64	0.071	0.099	0.93
Total PCB	CALC-PCB	25	NL	NS	3.1	0.22	< 60 U	0.44	< 0.083 U	< 0.078 U	0.033	20	0.64	0.071	0.099	0.93

Table A-1
Soil Analytical Data
April 2013
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Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E72 20-25 7/26/2013 E72 (20-25) 460-59749-1	E73 1-2 4/9/2012 E73AS AECOM173	E73 4-5 4/9/2012 E73BS AECOM175	E73 8-9 4/9/2012 E73CS AECOM175	E74 1-2 4/9/2012 E74AS AECOM173	E74 4-5 4/9/2012 E74BS AECOM173	E74 8-9 4/9/2012 E74CD AECOM173	E74 8-9 4/9/2012 E74CS AECOM173	E75 1-2 4/9/2012 E75AS AECOM175	E75 4-5 4/10/2012 E75BS AECOM175	E75 8-9 4/10/2012 E75CD AECOM175	E75 8-9 4/10/2012 E75CS AECOM175	E76 1-2 12/10/2012 E76AS (1-2) AECOM206
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	NS	10.5	13.4	19.6	10.2	18.9	13.6	14.8	8	6.7	5.3	5.5	17.6

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E76 4-5 12/10/2012 E76BS (4-5) AECOM206	E76 7-9 12/10/2012 E76CS (7-9) AECOM206	E76 10-12.5 12/21/2012 E76 (10-12.5) 460488151	E76 12.5-15 12/21/2012 E76 (12.5-15) 460488151	E76 22.5-25 12/21/2012 E76 (22.5-25) 460488151	E77 1-2 12/10/2012 E77AD (1-2) AECOM206	E77 1-2 12/10/2012 E77AS (1-2) AECOM206	E77 4-5 12/10/2012 E77BS (4-5) AECOM206	E77 7-9 12/11/2012 E77CS (7-9) AECOM208	E77 7-9 12/11/2012 E77CS (7-9)121112 AECOM210	E78 1-2 12/5/2012 E78AS (1-2) AECOM207	E78 4-5 12/5/2012 E78BS (4-5) AECOM207	E78 7-8 12/6/2012 E78CD (7-8) AECOM208
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	NS	NS	0.00096	< 0.0011 U	< 0.00098 U	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
Ethylbenzene	100-41-4	780	NL	NS	NS	0.012	< 0.0011 U	< 0.00098 U	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
Toluene	108-88-3	1000	NL	NS	NS	0.0015	< 0.0011 U	< 0.00098 U	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
Xylenes (total)	1330-20-7	1000	NL	NS	NS	0.0021	< 0.0032 U	< 0.0029 U	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
Total BTEX	CALC-BTEX	NL	NL	NS	NS	0.01656	ND	ND	NS	NS	NS	NS	ND	NS	NS	NS
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	NS	NS	NS
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	NS	0.01656	ND	ND	NS	NS	NS	NS	0.005	NS	NS	NS
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.082	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	NS	NS	< 0.37 U	< 0.37 U	< 0.37 U	NS	NS	NS	NS	0.083	NS	NS	NS
Acenaphthylene	208-96-8	1000	NL	NS	NS	< 0.37 U	< 0.37 U	< 0.37 U	NS	NS	NS	NS	< 0.37 U	NS	NS	NS
Anthracene	120-12-7	1000	NL	NS	NS	0.081	< 0.37 U	< 0.37 U	NS	NS	NS	NS	0.5	NS	NS	NS
Benzo(a)anthracene	56-55-3	11	NL	NS	NS	0.29	< 0.037 U	< 0.037 U	NS	NS	NS	NS	1.4	NS	NS	NS
Benzo(a)pyrene	50-32-8	1.1	NL	NS	NS	0.33	< 0.037 U	< 0.037 U	NS	NS	NS	NS	1.5	NS	NS	NS
Benzo(b)fluoranthene	205-99-2	11	NL	NS	NS	0.38	< 0.037 U	< 0.037 U	NS	NS	NS	NS	1.8	NS	NS	NS
Benzo(ghi)perylene	191-24-2	1000	NL	NS	NS	0.36	< 0.37 U	< 0.37 U	NS	NS	NS	NS	0.78	NS	NS	NS
Benzo(k)fluoranthene	207-08-9	110	NL	NS	NS	0.095	< 0.037 U	< 0.037 U	NS	NS	NS	NS	0.57	NS	NS	NS
Chrysene	218-01-9	110	NL	NS	NS	0.29	< 0.37 U	< 0.37 U	NS	NS	NS	NS	1.2	NS	NS	NS
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	NS	NS	0.051	< 0.037 U	< 0.037 U	NS	NS	NS	NS	0.18	NS	NS	NS
Fluoranthene	206-44-0	1000	NL	NS	NS	0.49	< 0.37 U	< 0.37 U	NS	NS	NS	NS	2.5	NS	NS	NS
Fluorene	86-73-7	1000	NL	NS	NS	< 0.37 U	< 0.37 U	< 0.37 U	NS	NS	NS	NS	0.15	NS	NS	NS
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	NS	NS	0.37	< 0.037 U	< 0.037 U	NS	NS	NS	NS	< 0.37 U	NS	NS	NS
Naphthalene	91-20-3	1000	NL	NS	NS	0.11	< 0.37 U	< 0.37 U	NS	NS	NS	NS	0.11	NS	NS	NS
Phenanthrene	85-01-8	1000	NL	NS	NS	0.3	< 0.37 U	< 0.37 U	NS	NS	NS	NS	1.7	NS	NS	NS
Pyrene	129-00-0	1000	NL	NS	NS	0.37	< 0.37 U	< 0.37 U	NS	NS	NS	NS	2.2	NS	NS	NS
Total PAHs	CALC-PAH	NL	500	NS	NS	3.5	< 0.37 U	< 0.37 U	NS	NS	NS	NS	14.755	NS	NS	NS
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 U	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total SVOCs	CALC-SVOC	NL	NL	NS	NS	3.5	ND	ND	NS	NS	NS	NS	14.755	NS	NS	NS
Metals (mg/Kg)																
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	1.3	1	1.2	NS	NS	NS	NS	1.1	NS	NS	NS
Barium	7440-39-3	10000	NL	NS	NS	69.5	38.1	33.8	NS	NS	NS	NS	39.3	NS	NS	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	< 1.1 U	< 1.1 U	< 1.1 U	NS	NS	NS	NS	< 0.0098 U	NS	NS	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	24.1	23.6	9.4	NS	NS	NS	NS	6.3	NS	NS	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	60.7	3.6	2.8	NS	NS	NS	NS	8.6	NS	NS	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	0.058	< 0.037 U	< 0.036 U	NS	NS	NS	NS	< 0.019 U	NS	NS	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																
Aroclor 1254	11097-69-1	NL	NL	< 0.041 U	< 0.039 U	< 0.076 U	< 0.076 U	< 0.074 U	< 0.036 U	< 0.036 U	< 0.15 U	< 0.037 U	NS	< 0.038 UJ	< 0.034 U	< 0.034 UJ
Aroclor 1260	11096-82-5	NL	NL	< 0.041 U	< 0.039 U	0.27	< 0.076 U	< 0.074 U	< 0.036 U	< 0.036 U	< 0.15 U	< 0.037 U	NS	2.4	< 0.034 U	0.12
Total PCB	CALC-PCB	25	NL	< 0.083 U	< 0.078 U	0.27	< 0.076 U	NS	< 0.073 U	< 0.073 U	< 0.31 U	< 0.076 U	NS	2.4	< 0.069 U	0.12

Table A-1
Soil Analytical Data
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Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E76 4-5 12/10/2012 E76BS (4-5) AECOM206	E76 7-9 12/10/2012 E76CS (7-9) AECOM206	E76 10-12.5 12/21/2012 E76 (10-12.5) 460488151	E76 12.5-15 12/21/2012 E76 (12.5-15) 460488151	E76 22.5-25 12/21/2012 E76 (22.5-25) 460488151	E77 1-2 12/10/2012 E77AD (1-2) AECOM206	E77 1-2 12/10/2012 E77AS (1-2) AECOM206	E77 4-5 12/10/2012 E77BS (4-5) AECOM206	E77 7-9 12/11/2012 E77CS (7-9) AECOM208	E77 7-9 12/11/2012 E77CS (7-9)121112 AECOM210	E78 1-2 12/5/2012 E78AS (1-2) AECOM207	E78 4-5 12/5/2012 E78BS (4-5) AECOM207	E78 7-8 12/6/2012 E78CD (7-8) AECOM208
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	0.11	< 0.011 U	< 0.011 U	NS	NS	NS	NS	1.4	NS	NS	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	19.1	14.8	NS	NS	NS	8.1	8.3	12.9	11.9	11.9	14.5	3.4	2.9

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E78 7-8 12/6/2012 E78CS (7-8) AECOM208	E79 1-2 12/4/2012 E79AS AECOM206	E79 4-5 12/4/2012 E79BS AECOM206	E79 7-9 12/6/2012 E79CS (7-9) AECOM208	E80 1-2 12/4/2012 E80AS AECOM206	E80 4-5 12/4/2012 E80BS AECOM206	E80 7-9 12/6/2012 E80CS (7-9) AECOM208	E80 10-12 12/13/2012 E80DS (10-12) AECOM209	E80 13-15 7/26/2013 E80 (13-15) 460-59749-1	E80 15-17 12/13/2012 E80ES (15-17) AECOM209	E80 15-20 7/29/2013 E80(15-20) 460-59749-1	E80 20-24 7/29/2013 E80(20-24) 460-59749-1	E81 1-2 12/4/2012 E81AS AECOM206
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0012 U	NS	NS	< 0.0014 U	NS
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0012 U	NS	NS	< 0.0014 U	NS
Toluene	108-88-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0012 U	NS	NS	< 0.0014 U	NS
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0036 U	NS	NS	< 0.0043 U	NS
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	ND	NS
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	ND	NS
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.36 U	NS	NS	< 0.36 U	NS
Acenaphthylene	208-96-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.36 U	NS	NS	< 0.36 U	NS
Anthracene	120-12-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.36 U	NS	NS	< 0.36 U	NS
Benzo(a)anthracene	56-55-3	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.036 U	NS	NS	< 0.036 U	NS
Benzo(a)pyrene	50-32-8	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.036 U	NS	NS	< 0.036 U	NS
Benzo(b)fluoranthene	205-99-2	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.036 U	NS	NS	< 0.036 U	NS
Benzo(ghi)perylene	191-24-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.36 U	NS	NS	< 0.36 U	NS
Benzo(k)fluoranthene	207-08-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.036 U	NS	NS	< 0.036 U	NS
Chrysene	218-01-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.36 U	NS	NS	< 0.36 U	NS
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.036 U	NS	NS	< 0.036 U	NS
Fluoranthene	206-44-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.36 U	NS	NS	< 0.36 U	NS
Fluorene	86-73-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.36 U	NS	NS	< 0.36 U	NS
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.036 U	NS	NS	< 0.036 U	NS
Naphthalene	91-20-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.36 U	NS	NS	< 0.36 U	NS
Phenanthrene	85-01-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.36 U	NS	NS	< 0.36 U	NS
Pyrene	129-00-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.36 U	NS	NS	< 0.36 U	NS
Total PAHs	CALC-PAH	NL	500	NS	NS	NS	NS	NS	NS	NS	NS	< 0.36	NS	NS	< 0.36	NS
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total SVOCs	CALC-SVOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	ND	NS
Metals (mg/Kg)																
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	NS	3	NS	NS	10.2	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	77.3	NS	NS	34.4 J	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 1.1 U	NS	NS	< 2.4 U	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	16.5 J	NS	NS	2.2 J	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	NS	5.1	NS	NS	6.6	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.017 U	NS	NS	< 0.018 U	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																
Aroclor 1254	11097-69-1	NL	NL	< 0.034 U	< 0.036 U	< 0.034 U	< 0.034 UJ	< 0.036 UJ	< 0.034 UJ	< 0.034 UJ	< 0.037 UJ	< 0.073 U	< 0.035 UJ	< 0.087 U	< 0.073 U	< 0.036 UJ
Aroclor 1260	11096-82-5	NL	NL	< 0.034 U	0.09	0.025 J	0.28	130	860	750	0.58	< 0.073 U	12 J	< 0.087 U	< 0.073 U	77
Total PCB	CALC-PCB	25	NL	NS	0.09	0.025	0.28	130	860	750	0.58		12			77

Table A-1
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Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E78 7-8 12/6/2012 E78CS (7-8) AECOM208	E79 1-2 12/4/2012 E79AS AECOM206	E79 4-5 12/4/2012 E79BS AECOM206	E79 7-9 12/6/2012 E79CS (7-9) AECOM208	E80 1-2 12/4/2012 E80AS AECOM206	E80 4-5 12/4/2012 E80BS AECOM206	E80 7-9 12/6/2012 E80CS (7-9) AECOM208	E80 10-12 12/13/2012 E80DS (10-12) AECOM209	E80 13-15 7/26/2013 E80 (13-15) 460-59749-1	E80 15-17 12/13/2012 E80ES (15-17) AECOM209	E80 15-20 7/29/2013 E80(15-20) 460-59749-1	E80 20-24 7/29/2013 E80(20-24) 460-59749-1	E81 1-2 12/4/2012 E81AS AECOM206
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.11 U	NS	NS	< 0.11 U	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	2.9	8	2.5	2.2	9.2	2.9	2.9	10.3	NS	5.4	NS	NS	9.4

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E81 4-5 12/4/2012 E81BS AECOM206	E81 7-9 12/6/2012 E81CS (7-9) AECOM208	E82 1-2 12/5/2012 E82AS (1-2) AECOM207	E82 4-5 12/5/2012 E82BS (4-5) AECOM207	E82 7-9 12/6/2012 E82CS (7-9) AECOM207	E83 1-2 12/11/2012 E83AS (1-2) AECOM207	E83 4-5 12/11/2012 E83BS (4-5) AECOM207	E83 4-5 12/11/2012 E83BS (4-5)121112 AECOM210	E83 7-9 12/11/2012 E83CS (7-9) AECOM208	E83 22.5-25 12/20/2012 E83 (22.5-25) 460488151	E83 32-33.5 12/20/2012 E83 (32-33.5) 460488151	E84 1-2 12/4/2012 E84AS AECOM206	E84 4-5 12/4/2012 E84BS AECOM206
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	< 0.0011 U	< 0.0011 U	NS	NS
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	< 0.0011 U	< 0.0011 U	NS	NS
Toluene	108-88-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	< 0.0011 U	< 0.0011 U	NS	NS
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	< 0.0033 U	< 0.0033 U	NS	NS
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	NS	NS	NS	NS	ND	NS	ND	ND	NS	NS
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	NS	NS	NS	NS
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	NS	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	NS	NS	NS	NS
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	NS	0.003	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	NS	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	0.003	NS	ND	ND	NS	NS
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	NS	< 0.36 U	< 0.36 U	NS	NS
Acenaphthylene	208-96-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	NS	< 0.36 U	< 0.36 U	NS	NS
Anthracene	120-12-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	NS	< 0.36 U	< 0.36 U	NS	NS
Benzo(a)anthracene	56-55-3	11	NL	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	NS	< 0.036 U	< 0.036 U	NS	NS
Benzo(a)pyrene	50-32-8	1.1	NL	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	NS	< 0.036 U	< 0.036 U	NS	NS
Benzo(b)fluoranthene	205-99-2	11	NL	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	NS	< 0.036 U	< 0.036 U	NS	NS
Benzo(ghi)perylene	191-24-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	NS	< 0.36 U	< 0.36 U	NS	NS
Benzo(k)fluoranthene	207-08-9	110	NL	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	NS	< 0.036 U	< 0.036 U	NS	NS
Chrysene	218-01-9	110	NL	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	NS	< 0.36 U	< 0.36 U	NS	NS
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	NS	< 0.036 U	< 0.036 U	NS	NS
Fluoranthene	206-44-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	NS	< 0.36 U	< 0.36 U	NS	NS
Fluorene	86-73-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	NS	< 0.36 U	< 0.36 U	NS	NS
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	NS	< 0.036 U	< 0.036 U	NS	NS
Naphthalene	91-20-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	NS	< 0.36 U	< 0.36 U	NS	NS
Phenanthrene	85-01-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	NS	< 0.36 U	< 0.36 U	NS	NS
Pyrene	129-00-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	NS	< 0.36 U	< 0.36 U	NS	NS
Total PAHs	CALC-PAH	NL	500	NS	NS	NS	NS	NS	NS	NS	< 0.34 U	NS	< 0.36 U	< 0.36 U	NS	NS
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	< 0.01 U	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total SVOCs	CALC-SVOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	ND	NS	ND	ND	NS	NS
Metals (mg/Kg)																
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	0.55	NS	2.4	6.2	NS	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	14.3	NS	55.8	33.8	NS	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	< 0.0090 U	NS	0.2	< 2.6 U	NS	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	5.8	NS	27.4	2.5	NS	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	1.7	NS	8.4	2.7	NS	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	< 0.017 U	NS	< 0.035 U	< 0.035 U	NS	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																
Aroclor 1254	11097-69-1	NL	NL	< 0.034 U	< 0.034 U	< 0.036 UJ	< 0.034 UJ	< 0.034 U	< 0.038 UJ	< 0.14 U	NS	< 0.035 UJ	< 0.073 U	< 0.072 U	< 0.034 U	< 0.034 U
Aroclor 1260	11096-82-5	NL	NL	0.075 J	0.043	54	0.15	0.064	130	< 0.14 U	NS	0.13	< 0.073 U	< 0.072 U	0.072	0.041
Total PCB	CALC-PCB	25	NL	0.075	0.043	54	0.15	0.064	130	< 0.28 U	NS	0.13	< 0.073 U	< 0.072 U	0.072	0.041

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Soil Analytical Data
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Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E81 4-5 12/4/2012 E81BS AECOM206	E81 7-9 12/6/2012 E81CS (7-9) AECOM208	E82 1-2 12/5/2012 E82AS (1-2) AECOM207	E82 4-5 12/5/2012 E82BS (4-5) AECOM207	E82 7-9 12/6/2012 E82CS (7-9) AECOM207	E83 1-2 12/11/2012 E83AS (1-2) AECOM207	E83 4-5 12/11/2012 E83BS (4-5) AECOM207	E83 4-5 12/11/2012 E83BS (4-5)121112 AECOM210	E83 7-9 12/11/2012 E83CS (7-9) AECOM208	E83 22.5-25 12/20/2012 E83 (22.5-25) 460488151	E83 32-33.5 12/20/2012 E83 (32-33.5) 460488151	E84 1-2 12/4/2012 E84AS AECOM206	E84 4-5 12/4/2012 E84BS AECOM206
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	< 0.50 U	NS	< 0.011 U	< 0.011 U	NS	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	3.1	2.2	8	4.4	3.3	13.2	3.7	3.7	5.6	NS	NS	1.9	3.5

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E84 7-9 12/5/2012 E84CS (7-9) AECOM208	E85 1-2 12/4/2012 E85AD AECOM206	E85 1-2 12/4/2012 E85AS AECOM206	E85 4-5 12/4/2012 E85BS AECOM206	E85 7-9 12/5/2012 E85CS (7-9) AECOM207	E86 1-2 12/5/2012 E86AS (1-2) AECOM207	E86 4-5 12/5/2012 E86BS (4-5) AECOM207	E86 7-9 12/5/2012 E86CS (7-9) AECOM207	E87 1-2 12/4/2012 E87AS AECOM206	E87 4-5 12/4/2012 E87BS (4-5) AECOM207	E87 7-9 12/6/2012 E87CS (7-9) AECOM208	E88 1-2 12/5/2012 E88AD (1-2) AECOM208	E88 1-2 12/5/2012 E88AS (1-2) AECOM208
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	108-88-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	208-96-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	120-12-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	56-55-3	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	50-32-8	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	205-99-2	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(ghi)perylene	191-24-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	207-08-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	218-01-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	206-44-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	86-73-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	91-20-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	85-01-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	129-00-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PAHs	CALC-PAH	NL	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total SVOCs	CALC-SVOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals (mg/Kg)																
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																
Aroclor 1254	11097-69-1	NL	NL	< 0.034 U	< 0.036 UJ	< 0.036 UJ	< 0.035 U	< 0.034 U	< 0.037 UJ	< 0.034 UJ	< 0.036 UJ	< 0.035 UJ	< 0.035 UJ	< 0.035 U	< 0.035 U	< 0.035 U
Aroclor 1260	11096-82-5	NL	NL	< 0.034 U	0.32	0.27	0.042	< 0.034 U	16	1.6	0.73	1.1	2.8	0.021 J	0.073	0.06
Total PCB	CALC-PCB	25	NL	< 0.069 U	0.32	0.27	0.042	< 0.069 U	16	1.6	0.73	1.1	2.8	NS	0.073	0.06

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Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E84 7-9 12/5/2012 E84CS(7-9) AECOM208	E85 1-2 12/4/2012 E85AD AECOM206	E85 1-2 12/4/2012 E85AS AECOM206	E85 4-5 12/4/2012 E85BS AECOM206	E85 7-9 12/5/2012 E85CS (7-9) AECOM207	E86 1-2 12/5/2012 E86AS (1-2) AECOM207	E86 4-5 12/5/2012 E86BS (4-5) AECOM207	E86 7-9 12/5/2012 E86CS (7-9) AECOM207	E87 1-2 12/4/2012 E87AS AECOM206	E87 4-5 12/4/2012 E87BS (4-5) AECOM207	E87 7-9 12/6/2012 E87CS (7-9) AECOM208	E88 1-2 12/5/2012 E88AD (1-2) AECOM208	E88 1-2 12/5/2012 E88AS (1-2) AECOM208
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	2.6	9.6	9.2	4.8	3.4	11.3	3.6	8.9	7.1	6.3	4.5	5	5

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
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Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E88 4-5 12/5/2012 E88BS (4-5) AECOM208	E88 7-9 12/6/2012 E88CS (7-9) AECOM207	E89 1-2 12/6/2012 E89AS (1-2) AECOM208	E89 4-5 12/6/2012 E89BS (4-5) AECOM208	E89 7-9 12/7/2012 E89CS (7-9) AECOM207	E90 1-2 12/6/2012 E90AS (1-2) AECOM208	E90 4-5 12/6/2012 E90BS (4-5) AECOM208	E90 7-9 12/7/2012 E90CS (7-9) AECOM207	E91 1-2 12/10/2012 E91AS (1-2) AECOM208	E91 4-5 12/10/2012 E91BS (4-5) AECOM208	E91 7-9 12/11/2012 E91CS (7-9) AECOM208	E91 10-15 7/19/2013 E91 (10-15) 460-59749-1	E91 15-20 7/19/2013 E91 (15-20) 460-59749-1
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	108-88-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2 J	< 0.43 U
Acenaphthylene	208-96-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.42 J	0.064 J
Anthracene	120-12-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.1	0.14 J
Benzo(a)anthracene	56-55-3	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	0.43
Benzo(a)pyrene	50-32-8	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.6	0.45
Benzo(b)fluoranthene	205-99-2	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.7	0.49
Benzo(ghi)perylene	191-24-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.8	0.35 J
Benzo(k)fluoranthene	207-08-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.4	0.2
Chrysene	218-01-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.1	0.43
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.48	0.066
Fluoranthene	206-44-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.5	0.93
Fluorene	86-73-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.9 U	0.057 J
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.5	0.33
Naphthalene	91-20-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.59 J	0.056 J
Phenanthrene	85-01-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.9	0.68
Pyrene	129-00-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	1.1
Total PAHs	CALC-PAH	NL	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	40.09	5.773
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total SVOCs	CALC-SVOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	40.09	5.773
Metals (mg/Kg)																
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																
Aroclor 1254	11097-69-1	NL	NL	< 0.034 U	< 0.034 U	< 0.036 UJ	< 0.035 U	< 0.034 U	< 0.035 U	< 0.034 U	< 0.034 U	< 0.038 U	< 0.036 UJ	< 0.041 U	NS	NS
Aroclor 1260	11096-82-5	NL	NL	< 0.034 U	< 0.034 U	4.3	< 0.035 U	< 0.034 U	0.062	0.03 J	0.026 J	0.04	1.3	0.081	NS	NS
Total PCB	CALC-PCB	25	NL	< 0.069 U	< 0.069 U	4.3	< 0.071 U	< 0.07 U	0.062	0.03	0.026	0.04	1.3	0.081	NS	NS

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Soil Analytical Data
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Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E88 4-5 12/5/2012 E88BS (4-5) AECOM208	E88 7-9 12/6/2012 E88CS (7-9) AECOM207	E89 1-2 12/6/2012 E89AS (1-2) AECOM208	E89 4-5 12/6/2012 E89BS (4-5) AECOM208	E89 7-9 12/7/2012 E89CS (7-9) AECOM207	E90 1-2 12/6/2012 E90AS (1-2) AECOM208	E90 4-5 12/6/2012 E90BS (4-5) AECOM208	E90 7-9 12/7/2012 E90CS (7-9) AECOM207	E91 1-2 12/10/2012 E91AS (1-2) AECOM208	E91 4-5 12/10/2012 E91BS (4-5) AECOM208	E91 7-9 12/11/2012 E91CS (7-9) AECOM208	E91 10-15 7/19/2013 E91 (10-15) 460-59749-1	E91 15-20 7/19/2013 E91 (15-20) 460-59749-1
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	2.9	2.7	7.6	6	3.8	5.6	2.7	2.7	14.6	7.7	19.2	NS	NS

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E91 20-25 7/19/2013 E91 (20-25) 460-59749-1	E92 1-2 12/6/2012 E92AS (1-2) AECOM207	E92 4-5 12/6/2012 E92BD (4-5) AECOM207	E92 4-5 12/6/2012 E92BS (4-5) AECOM207	E92 7-8.5 12/7/2012 E92CS (7-8.5) AECOM207	E93 1-2 12/11/2012 E93AS (1-2) AECOM209	E93 4-5 12/11/2012 E93BS (4-5) AECOM209	E93 7-9 12/12/2012 E93CS (7-9) AECOM209	E94 1-2 12/12/2012 E94AS (1-2) AECOM209	E94 4-5 12/12/2012 E94BS (4-5) AECOM209	E94 7-9 12/12/2012 E94CS (7-9) AECOM209	E95 1-2 12/11/2012 E95AS (1-2) AECOM206	E95 4-5 12/11/2012 E95BD (4-5) AECOM207
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	108-88-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	< 0.37 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	208-96-8	1000	NL	< 0.37 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	120-12-7	1000	NL	< 0.37 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	56-55-3	11	NL	< 0.037 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	50-32-8	1.1	NL	< 0.037 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	205-99-2	11	NL	< 0.037 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(ghi)perylene	191-24-2	1000	NL	< 0.37 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	207-08-9	110	NL	< 0.037 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	218-01-9	110	NL	< 0.37 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	< 0.037 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	206-44-0	1000	NL	< 0.37 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	86-73-7	1000	NL	< 0.37 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	< 0.037 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	91-20-3	1000	NL	< 0.37 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	85-01-8	1000	NL	< 0.37 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	129-00-0	1000	NL	< 0.37 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PAHs	CALC-PAH	NL	500	< 0.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total SVOCs	CALC-SVOC	NL	NL	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals (mg/Kg)																
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																
Aroclor 1254	11097-69-1	NL	NL	NS	< 0.036 UJ	< 0.039 U	< 0.039 U	< 0.039 U	< 0.035 UJ	< 0.034 U	< 0.034 U	< 0.036 UJ	< 0.038 U	< 0.034 UJ	< 0.036 UJ	< 0.036 U
Aroclor 1260	11096-82-5	NL	NL	NS	0.28	< 0.15 U	< 0.16 U	< 0.15 U	1.9	0.02 J	0.019 J	16	0.08	0.16	160	< 0.036 U
Total PCB	CALC-PCB	25	NL	NS		< 0.15 U	< 0.16 U	< 0.15 U	1.9	0.02	0.019	16	0.08	0.16	160	< 0.073 U

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E91 20-25 7/19/2013 E91 (20-25) 460-59749-1	E92 1-2 12/6/2012 E92AS (1-2) AECOM207	E92 4-5 12/6/2012 E92BD (4-5) AECOM207	E92 4-5 12/6/2012 E92BS (4-5) AECOM207	E92 7-8.5 12/7/2012 E92CS (7-8.5) AECOM207	E93 1-2 12/11/2012 E93AS (1-2) AECOM209	E93 4-5 12/11/2012 E93BS (4-5) AECOM209	E93 7-9 12/12/2012 E93CS (7-9) AECOM209	E94 1-2 12/12/2012 E94AS (1-2) AECOM209	E94 4-5 12/12/2012 E94BS (4-5) AECOM209	E94 7-9 12/12/2012 E94CS (7-9) AECOM209	E95 1-2 12/11/2012 E95AS (1-2) AECOM206	E95 4-5 12/11/2012 E95BD (4-5) AECOM207
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	NS	8.8	14.8	15.8	15.1	6.3	3.2	3.1	8.9	12.8	3.5	8.6	8.2

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E95 4-5 12/11/2012 E95BS (4-5) AECOM206	E95 7-9 12/12/2012 E95CS (7-9) AECOM209	E96 1-2 12/12/2012 E96AD (1-2) AECOM209	E96 1-2 12/12/2012 E96AS (1-2) AECOM209	E96 4-5 12/12/2012 E96BS (4-5) AECOM209	E96 7-9 12/12/2012 E96CS (7-9) AECOM209	E97 1-2 1/21/2013 E97AD (1-2) AECOM215	E97 1-2 1/21/2013 E97AS (1-2) AECOM215	E97 4-5 1/21/2013 E97BS (4-5) AECOM215	E97 7-9 1/21/2013 E97CS (7-9) AECOM215	E98 1-2 1/22/2013 E98AS (1-2) AECOM215	E98 4-5 1/22/2013 E98BS (4-5) AECOM215	E98 7-9 1/22/2013 E98CS (7-9) AECOM215
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	108-88-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	208-96-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	120-12-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	56-55-3	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	50-32-8	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	205-99-2	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(ghi)perylene	191-24-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	207-08-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	218-01-9	110	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	206-44-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	86-73-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	91-20-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	85-01-8	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	129-00-0	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PAHs	CALC-PAH	NL	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total SVOCs	CALC-SVOC	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals (mg/Kg)																
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	16	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	7440-39-3	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	60	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	3900	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	5.7	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																
Aroclor 1254	11097-69-1	NL	NL	< 0.036 UJ	< 0.034 UJ	< 0.036 UJ	< 0.036 UJ	< 0.035 U	< 0.036 UJ	< 0.076 U	< 0.078 U	< 0.034 U	< 0.034 U	< 0.036 U	< 0.035 U	< 0.034 U
Aroclor 1260	11096-82-5	NL	NL	0.11	0.37	61	94	0.089	0.46	1.3 J	0.62 J	< 0.034 U	< 0.034 U	< 0.036 U	< 0.035 U	0.043
Total PCB	CALC-PCB	25	NL	0.11	0.37	61	94	0.089	0.46	1.3	0.62	< 0.07 U	< 0.069 U	< 0.074 U	< 0.07 U	0.043

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Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E95 4-5 12/11/2012 E95BS (4-5) AECOM206	E95 7-9 12/12/2012 E95CS (7-9) AECOM209	E96 1-2 12/12/2012 E96AD (1-2) AECOM209	E96 1-2 12/12/2012 E96AS (1-2) AECOM209	E96 4-5 12/12/2012 E96BS (4-5) AECOM209	E96 7-9 12/12/2012 E96CS (7-9) AECOM209	E97 1-2 1/21/2013 E97AD (1-2) AECOM215	E97 1-2 1/21/2013 E97AS (1-2) AECOM215	E97 4-5 1/21/2013 E97BS (4-5) AECOM215	E97 7-9 1/21/2013 E97CS (7-9) AECOM215	E98 1-2 1/22/2013 E98AS (1-2) AECOM215	E98 4-5 1/22/2013 E98BS (4-5) AECOM215	E98 7-9 1/22/2013 E98CS (7-9) AECOM215
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	9.5	4.4	8.9	9.2	6.1	7.5	12.6	15.8	4	2.7	9.4	4.7	3.3

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E99 1-2 1/22/2013 E99AS (1-2) AECOM215	E99 4-5 1/22/2013 E99BS (4-5) AECOM215	E99 7-9 1/25/2013 E99CS (7-9) AECOM215	MGP169 10-15 7/30/2013 GP-169 (10-15)07301 460-60283	MGP169 15-20 7/30/2013 DUP-073013 460-60283	MGP169 15-20 7/30/2013 GP-169 (15-20)07301 460-60283	MGP169 20-25 7/30/2013 GP-169 (20-25)07301 460-60283	MGP169 25-29 7/30/2013 GP-169 (25-29)07301 460-60283	MGP173 20-21 9/18/2013 MGP-173(20-21) 460632941	MGP173 25-27.5 9/18/2013 MGP-173(25-27.5) 460632941	MGP173 32.5-35 9/18/2013 MGP-173(32.5-35) 460632941	MGP174 19-20 9/18/2013 MGP-174(19-20) 460632941	MGP174 30-35 9/18/2013 MGP-174(30-35) 460632941
BTEX (mg/Kg)																
Benzene	71-43-2	89	NL	NS	NS	NS	0.003	< 0.0011 U	< 0.00099 U	< 0.0010 U	< 0.0010 U	0.0039	< 0.00089 U	< 0.0011 U	0.74 J	< 0.00098 U
Ethylbenzene	100-41-4	780	NL	NS	NS	NS	0.0013	< 0.0011 U	< 0.00099 U	< 0.0010 U	< 0.0010 U	0.00020 J	< 0.00089 U	< 0.0011 U	4.9	< 0.00098 U
Toluene	108-88-3	1000	NL	NS	NS	NS	0.0094	< 0.0011 U	< 0.00099 U	< 0.0010 U	< 0.0010 U	0.00086 J	0.00040 J	0.00033 J	0.94	0.00030 J
Xylenes (total)	1330-20-7	1000	NL	NS	NS	NS	0.011	< 0.0033 U	< 0.0030 U	< 0.0030 U	< 0.0030 U	< 0.0033 U	< 0.0027 U	< 0.0032 U	2.7	< 0.0029 U
Total BTEX	CALC-BTEX	NL	NL	NS	NS	NS	0.0247	ND	ND	ND	ND	0.00496	0.0004	0.00033	9.28	0.0003
VOCs (mg/Kg)																
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total VOCs	CALC-VOC	NL	NL	NS	NS	NS	0.0247	ND	ND	ND	ND	0.00496	0.0004	0.00033	9.28	0.0003
PAHs (mg/Kg)																
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	1000	NL	NS	NS	NS	0.11 J	< 0.37 U	< 0.37 U	< 0.37 U	< 0.38 U	0.066 J	< 0.37 U	< 0.38 U	23 JD	< 0.37 U
Acenaphthylene	208-96-8	1000	NL	NS	NS	NS	0.62 J	< 0.37 U	< 0.37 U	< 0.37 U	< 0.38 U	< 0.38 U	< 0.37 U	< 0.38 U	14 JD	< 0.37 U
Anthracene	120-12-7	1000	NL	NS	NS	NS	0.22 J	< 0.37 U	< 0.37 U	< 0.37 U	< 0.38 U	0.13 J	< 0.37 U	< 0.38 U	94 D	< 0.37 U
Benzo(a)anthracene	56-55-3	11	NL	NS	NS	NS	0.96	< 0.037 U	< 0.037 U	< 0.037 U	< 0.038 U	0.41	< 0.037 U	< 0.038 U	210 D	< 0.037 U
Benzo(a)pyrene	50-32-8	1.1	NL	NS	NS	NS	0.76	< 0.037 U	< 0.037 U	< 0.037 U	< 0.038 U	0.73	< 0.037 U	< 0.038 U	87 D	< 0.037 U
Benzo(b)fluoranthene	205-99-2	11	NL	NS	NS	NS	0.86	< 0.037 U	< 0.037 U	< 0.037 U	< 0.038 U	0.59	< 0.037 U	< 0.038 U	120 D	< 0.037 U
Benzo(ghi)perylene	191-24-2	1000	NL	NS	NS	NS	0.52 J	< 0.37 U	< 0.37 U	< 0.37 U	< 0.38 U	0.71	< 0.37 U	< 0.38 U	59 D	< 0.37 U
Benzo(k)fluoranthene	207-08-9	110	NL	NS	NS	NS	0.27	< 0.037 U	< 0.037 U	< 0.037 U	< 0.038 U	0.2	< 0.037 U	< 0.038 U	42 D	< 0.037 U
Chrysene	218-01-9	110	NL	NS	NS	NS	1.1	< 0.37 U	< 0.37 U	< 0.37 U	< 0.38 U	0.45	< 0.37 U	< 0.38 U	200 D	< 0.37 U
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	NS	NS	NS	0.11	< 0.037 U	< 0.037 U	< 0.037 U	< 0.038 U	0.13	< 0.037 U	< 0.038 U	21 D	< 0.037 U
Fluoranthene	206-44-0	1000	NL	NS	NS	NS	1.2	< 0.37 U	< 0.37 U	< 0.37 U	< 0.38 U	0.54	< 0.37 U	< 0.38 U	280 D	< 0.37 U
Fluorene	86-73-7	1000	NL	NS	NS	NS	0.2 J	< 0.37 U	< 0.37 U	< 0.37 U	< 0.38 U	0.06 J	< 0.37 U	0.053 J	180 D	< 0.37 U
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	NS	NS	NS	0.44	< 0.037 U	< 0.037 U	< 0.037 U	< 0.038 U	0.58	< 0.037 U	< 0.038 U	60 D	< 0.037 U
Naphthalene	91-20-3	1000	NL	NS	NS	NS	12	< 0.37 U	< 0.37 U	< 0.37 U	< 0.38 U	0.17 J	< 0.37 U	0.13 J	89 D	< 0.37 U
Phenanthrene	85-01-8	1000	NL	NS	NS	NS	1.1	< 0.37 U	< 0.37 U	< 0.37 U	< 0.38 U	0.53	< 0.37 U	< 0.38 U	490 D	< 0.37 U
Pyrene	129-00-0	1000	NL	NS	NS	NS	2.3	< 0.37 U	< 0.37 U	< 0.37 U	< 0.38 U	0.84	< 0.37 U	< 0.38 U	440 D	< 0.37 U
Total PAHs	CALC-PAH	NL	500	NS	NS	NS	22.77	< 0.37	< 0.37	< 0.37	< 0.38	6.136	ND	0.183	2409	ND
SVOCs (mg/Kg)																
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NS	NS	NS										

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Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	E99 1-2 1/22/2013 E99AS (1-2) AECOM215	E99 4-5 1/22/2013 E99BS (4-5) AECOM215	E99 7-9 1/25/2013 E99CS (7-9) AECOM215	MGP169 10-15 7/30/2013 GP-169 (10-15)07301 460-60283	MGP169 15-20 7/30/2013 DUP-073013 460-60283	MGP169 15-20 7/30/2013 GP-169 (15-20)07301 460-60283	MGP169 20-25 7/30/2013 GP-169 (20-25)07301 460-60283	MGP169 25-29 7/30/2013 GP-169 (25-29)07301 460-60283	MGP173 20-21 9/18/2013 MGP-173(20-21) 460632941	MGP173 25-27.5 9/18/2013 MGP-173(25-27.5) 460632941	MGP173 32.5-35 9/18/2013 MGP-173(32.5-35) 460632941	MGP174 19-20 9/18/2013 MGP-174(19-20) 460632941	MGP174 30-35 9/18/2013 MGP-174(30-35) 460632941
Cyanide (mg/Kg)																
Total Cyanide	57-12-5	10000	NL	NS	NS	NS	5.4 J	< 0.11 UJ	< 0.11 UJ	< 0.11 UJ	< 0.11 UJ	0.92	< 0.11 U	< 0.12 U	100	0.27
CHEMISTRY																
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	10.2	15.9	9.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	MGP174 40-41 9/18/2013 MGP-174(40-41) 460632941	MGP175 25-30 9/19/2013 DUP-9-19-13 460632941	MGP175 25-30 9/19/2013 MGP-175(25-30) 460632941	MGP175 31-35 9/19/2013 MGP-175(31-35) 460632941	MGP175 42.5-45 9/19/2013 MGP-175(42.5-45) 460632941	MGP176 20-23 9/20/2013 MGP176 (20-23) 460632941	MGP176 30-32.5 9/20/2013 MGP176 (30-32.5) 460632941	MGP176 34-38 9/20/2013 MGP176 (34-38) 460632941	N02 1-2 11/20/1994 N02AS	N02 7-9 11/20/1994 N02CS
BTEX (mg/Kg)													
Benzene	71-43-2	89	NL	< 0.0013 U	73	68	0.00042 J	< 0.56 U	< 0.0012 U	< 0.0010 U	< 0.0012 U	< 0.011 UJ	< 0.012 U
Ethylbenzene	100-41-4	780	NL	< 0.0013 U	350	300	0.00028 J	< 0.56 U	< 0.0012 U	< 0.0010 U	< 0.0012 U	< 0.011 UJ	< 0.012 U
Toluene	108-88-3	1000	NL	0.00033 J	170	150	0.00065 J	< 0.56 U	< 0.0012 U	< 0.0010 U	< 0.0012 U	0.002 J	< 0.012 U
Xylenes (total)	1330-20-7	1000	NL	< 0.0040 U	470	400	< 0.0032 U	< 1.7 U	< 0.0035 U	< 0.0031 U	< 0.0035 U	0.003 J	< 0.012 U
Total BTEX	CALC-BTEX	NL	NL	0.00033	1063	918	0.00135	ND	ND	ND	ND	0.005	NS
VOCs (mg/Kg)													
1,1,1-Trichloroethane	71-55-6	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 UJ	< 0.012 U
2-Butanone	78-93-3	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 UJ	< 0.012 U
4-Methyl-2-pentanone	108-10-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 UJ	< 0.012 U
Acetone	67-64-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 UJ	< 0.012 U
Bromodichloromethane	75-27-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 UJ	< 0.012 U
Carbon disulfide	75-15-0	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	0.006 J	< 0.012 U
Chlorobenzene	108-90-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 UJ	< 0.012 U
Chloroform	67-66-3	700	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 UJ	< 0.012 U
Chloromethane	74-87-3	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 UJ	< 0.012 U
Dibromochloromethane	124-48-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 UJ	0.001 J
Isopropylbenzene	98-82-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 UJ	< 0.012 U
Styrene	100-42-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 UJ	< 0.012 U
Tetrachloroethene	127-18-4	300	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 UJ	< 0.012 U
Trichloroethene	79-01-6	400	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 0.011 UJ	< 0.012 U
Total VOCs	CALC-VOC	NL	NL	0.00033	1063	918	0.00135	ND	ND	ND	ND	0.011	0.001
PAHs (mg/Kg)													
2-Methylnaphthalene	91-57-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 UJ	< 0.39 U
Acenaphthene	83-32-9	1000	NL	< 0.36 U	360 D	560 D	< 0.39 U	< 0.43 U	< 0.4 U	< 0.39 U	< 0.39 U	< 3.8 UJ	< 0.39 U
Acenaphthylene	208-96-8	1000	NL	< 0.36 U	240 D	390 D	< 0.39 U	< 0.43 U	< 0.4 U	< 0.39 U	< 0.39 U	0.71 J	< 0.39 U
Anthracene	120-12-7	1000	NL	< 0.36 U	330 D	460 D	< 0.39 U	< 0.43 U	< 0.4 U	< 0.39 U	< 0.39 U	0.58 J	< 0.39 U
Benzo(a)anthracene	56-55-3	11	NL	< 0.036 U	210 D	300 D	< 0.039 U	< 0.043 U	< 0.04 U	< 0.039 U	< 0.039 U	2.4 J	< 0.39 U
Benzo(a)pyrene	50-32-8	1.1	NL	< 0.036 U	180 D	240 D	0.012 J	< 0.043 U	< 0.04 U	< 0.039 U	< 0.039 U	2.8 J	0.044 J
Benzo(b)fluoranthene	205-99-2	11	NL	< 0.036 U	130 D	170 D	< 0.039 U	< 0.043 U	< 0.04 U	< 0.039 U	< 0.039 U	4 J	0.078 J
Benzo(ghi)perylene	191-24-2	1000	NL	< 0.36 U	69 JD	96 JD	< 0.39 U	< 0.43 U	< 0.4 U	< 0.39 U	< 0.39 U	2.4 J	0.077 J
Benzo(k)fluoranthene	207-08-9	110	NL	< 0.036 U	50 D	72 D	0.01 J	< 0.043 U	< 0.04 U	< 0.039 U	< 0.039 U	4.8 J	< 0.39 U
Chrysene	218-01-9	110	NL	< 0.36 U	190 D	260 D	< 0.39 U	< 0.43 U	< 0.4 U	< 0.39 U	< 0.39 U	3 J	< 0.39 U
Dibenzo(a,h)anthracene	53-70-3	1.1	NL	< 0.036 U	18 D	25 D	< 0.039 U	< 0.043 U	< 0.04 U	< 0.039 U	< 0.039 U	0.49 J	< 0.39 U
Fluoranthene	206-44-0	1000	NL	< 0.36 U	390 D	520 D	< 0.39 U	< 0.43 U	< 0.4 U	< 0.39 U	< 0.39 U	3.6 J	0.074 J
Fluorene	86-73-7	1000	NL	< 0.36 U	440 D	650 D	< 0.39 U	< 0.43 U	< 0.4 U	< 0.39 U	< 0.39 U	< 3.8 UJ	< 0.39 U
Indeno(1,2,3-cd)pyrene	193-39-5	11	NL	< 0.036 U	67 D	94 D	< 0.039 U	< 0.043 U	< 0.04 U	< 0.039 U	< 0.039 U	2.2 J	0.068 J
Naphthalene	91-20-3	1000	NL	< 0.36 U	760 D	1300 D	0.29 J	0.66	< 0.4 U	< 0.39 U	< 0.39 U	< 3.8 UJ	< 0.39 U
Phenanthrene	85-01-8	1000	NL	< 0.36 U	1300 D	1800 D	0.078 J	0.055 J	< 0.4 U	< 0.39 U	< 0.39 U	1.7 J	0.049 J
Pyrene	129-00-0	1000	NL	< 0.36 U	620 D	860 D	0.051 J	< 0.43 U	< 0.4 U	< 0.39 U	< 0.39 U	5.1 J	0.065 J
Total PAHs	CALC-PAH	NL	500	ND	5354	7797	0.441	0.715	ND	ND	ND	34	0.46
SVOCs (mg/Kg)													
1,1'-Biphenyl	92-52-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 UJ	< 0.39 U
1,2-Dichlorobenzene	95-50-1	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 UJ	< 0.39 U
1,3-Dichlorobenzene	541-73-1	560	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 UJ	< 0.39 U
1,4-Dichlorobenzene	106-46-7	250	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 UJ	< 0.39 U
2,4-Dimethylphenol	105-67-9	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 UJ	< 0.39 U
2-Methylphenol	95-48-7	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 UJ	< 0.39 U
4-Methylphenol	106-44-5	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 UJ	< 0.39 U
Acetophenone	98-86-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 UJ	< 0.39 U
Carbazole	86-74-8	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 UJ	< 0.39 U
Dibenzofuran	132-64-9	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 UJ	< 0.39 U
Di-n-butyl phthalate	84-74-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 UJ	< 0.39 U
Hexachlorobenzene	118-74-1	12	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 UJ	< 0.39 U
Phenol	108-95-2	1000	NL	NS	NS	NS	NS	NS	NS	NS	NS	< 3.8 UJ	< 0.39 U
Total SVOCs	CALC-SVOC	NL	NL	ND	5354	7797	0.441	0.715	ND	ND	ND	34	0.46
Metals (mg/Kg)													
Aluminum	7429-90-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	1660	10200
Arsenic	7440-38-2	16	NL	2.8	4.1	3.3	1.8	1.8	3.3	1.4	2.3	7.2 J	4.3 J
Barium	7440-39-3	10000	NL	36.8 J	43.5 J	41.5 J	73	123	72.2	84.3	186	140	76.3
Beryllium	7440-41-7	2700	NL	NS	NS	NS	NS	NS	NS	NS	NS	0.65	0.47
Cadmium	7440-43-9	60	NL	< 1.1 U	< 1.3 U	< 1.2 U	< 1.1 U	< 1.2 U	< 1.2 U	< 1.2 U	< 1.1 U	< 0.43 U	< 0.47 U
Calcium	7440-70-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	3480	1110
Chromium	7440-47-3	NL	NL	2.2	8.1	8.3	20.1	35.4	23.2	23.3	41.5	18.3	14.2
Copper	7440-50-8	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	1030	< 5.9 U
Iron	7439-89-6	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	8160	19500
Lead	7439-92-1	3900	NL	1.9	381	400	5.1	9.1	18.5	6.6	9.3	232	15.9
Magnesium	7439-95-4	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	685	2340
Manganese	7439-96-5	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	54.8	637
Mercury	7439-97-6	5.7	NL	< 0.018 U	0.93	0.36	< 0.019 U	< 0.022 U	0.019 J	< 0.019 U	< 0.020 U	0.42	< 0.12 U
Nickel	7440-02-0	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	16.8	4.3
Sodium	7440-23-5	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	393	240
Vanadium	7440-62-2	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	82.6	24.6
Zinc	7440-66-6	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	46.7	27.9
PCBs (mg/Kg)													
Aroclor 1254	11097-69-1	NL	NL	< 0.073 U	< 0.091 U	< 0.086 U	< 0.079 U	< 0.088 U	< 0.082 U	< 0.078 U	< 0.08 U	< 2.85 U	< 0.039 U
Aroclor 1260	11096-82-5	NL	NL	< 0.073 U	< 0.091 U	< 0.086 U	< 0.079 U	< 0.088 U	< 0.082 U	< 0.078 U	< 0.08 U	35.17	0.0526
Total PCB	CALC-PCB	25	NL	ND	ND	ND	ND	ND	ND	ND	ND	35.17	0.0526

Table A-1
Soil Analytical Data
April 2013
Astoria MGP

Location ID Depth interval Sample Date Sample ID SDG	CAS #	NYSDEC Part 375- 6 Industrial	CP-51 criteria	MGP174 40-41 9/18/2013 MGP-174(40-41) 460632941	MGP175 25-30 9/19/2013 DUP-9-19-13 460632941	MGP175 25-30 9/19/2013 MGP-175(25-30) 460632941	MGP175 31-35 9/19/2013 MGP-175(31-35) 460632941	MGP175 42.5-45 9/19/2013 MGP-175(42.5-45) 460632941	MGP176 20-23 9/20/2013 MGP176 (20-23) 460632941	MGP176 30-32.5 9/20/2013 MGP176 (30-32.5) 460632941	MGP176 34-38 9/20/2013 MGP176 (34-38) 460632941	N02 1-2 11/20/1994 N02AS	N02 7-9 11/20/1994 N02CS
Cyanide (mg/Kg)													
Total Cyanide	57-12-5	10000	NL	0.088 J	0.97	0.91	< 0.12 U	< 0.13 U	< 0.12 U	< 0.12 U	< 0.12 U	NS	NS
CHEMISTRY													
SOLIDS, PERCENT	SOLID	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	86.72	84.61
TOTAL SOLIDS	TSOLIDS	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Moisture	PMOIST	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Yellow highlighted cells exceed NYSDEC Part 375-6 Industrial
Blue highlighted cells exceed CP-51 criteria
mg/Kg = Milligrams per kilogram
mg/L = Milligrams per liter
BTEX - Benzene, Ethylbenzene, Toluene, Xylenes
PAHs - Polycyclic aromatic hydrocarbons
PCBs - Polychlorinated biphenyls
NL = No limit has been established for this analytes
ND = None detected.

Appendix B

Soil Boring Logs – All Investigations To-Date

					Client: Con Edison, Astoria, NY		Boring ID: E05A		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710421.08		Easting: 655681.05		Page 1 of 2
Weather: ~45F, partly cloudy, little to no wind.							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe / HSA					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/12/12		Depth of Boring: 17 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 26.13' NAVD 88		Date Finished: 1/29/13		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			6	NA	NA	0-5 ft bgs: no recovery, 6 inches of asphalt in marcocore.		
-1								
-2								
-3								
-4								
-5			48	0.0	SW	5-10 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~20% coarse grained sand, ~10% fine rounded gravel, light brown, moist, wet at 9 ft bgs, no odor, ~25% coarse subangular gravel from 9.5-10 ft bgs.		
-6								
-7	E05ACS + Dup	(7-9)		1.1			E05ACS + Dup	(7-9)
-8								
-9								
-10	E05ADS	(10-12)	60	1.2	SM	10-15 ft bgs: SILTY SAND (SM): fine grained sand and silt, ~15% fine subrounded gravel, wet, orange-brown, no odor.	E05ADS	(10-12)
-11								
-12				0.4				
-13								

Notes:

This location was cleared to 5 ft bgs using a vactor truck.
E05A location was previously precleared and sampled to 6 ft bgs. Log of top 6 ft is a composite.
Boring was drilled to 17 ft bgs on 12/12/12 by NYEG.
Boring was drilled from 17 ft bgs on 1/29/13 by NYEG.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E05A		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710421.08		Easting: 655681.05		Page 2 of 2
Weather: ~45F, partly cloudy, little to no wind.							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe / HSA					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/12/12		Depth of Boring: 17 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 26.13' NAVD 88		Date Finished: 1/29/13		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

-14								
-15	E05AES	(15-17)	24	1.2	SW	15-17 ft bgs: WELL GRADED SAND (SW): brown coarse to fine grained sand, orange-brown silt, ~15% fine subrounded gravel, wet, no odor.	E05AES	(15-17)
-16								
-17	E05AFS	(17-19)	17	2.1		17-19 ft bgs: WELL GRADED SAND (SW): fine to coarse grained sand and silt, ~5% fine to coarse subrounded gravel, wet, light brown, no odor.	E05AFS	(17-19)
-18								
-19	E05AGS	(19-21)	12	0.3	SP	19-20 ft bgs: WELL GRADED SAND (SW): fine to coarse grained sand, ~20% silt, wet, light brown, no odor.	E05AGS	(19-21)
-20						20-21 ft bgs: POORLY GRADED SAND (SP): fine to medium grained sand, ~30% silt, wet, light brown, no odor.		
-21	E05AHS	(21-22.5)	6	0.8		21-22.5 ft bgs: POORLY GRADED SAND (SP): fine to medium grained sand, ~30% silt, ~10% fine subrounded gravel, wet, brown-orange brown, no odor.	E05AHS	(21-22.5)
-22						END OF BORING 22.5 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.
E05A location was previously precleared and sampled to 6 ft bgs. Log of top 6 ft is a composite.
Boring was drilled to 17 ft bgs on 12/12/12 by NYEG.
Boring was drilled from 17 ft bgs on 1/29/13 by NYEG.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E101		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: TBD		Easting: TBD		Page 1 of 1
Weather: 15F feels like -2F, sunny, breezy/15F, feels like 0F, partly cloudy, light breeze.							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 1/23/2013		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation:TBD		Date Finished:1/25/2013		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2" bgs: ASPHALT 2"-10.5" bgs: CONCRETE		
-1	E101AS	(1-2)		0.3		10.5"-2 ft bgs: FILL: fine grained sand, ~30% silt, ~20% medium grained sand, ~5% coarse subrounded gravel, brown, wet from core drill water, no odor.	E101AS	(1-2)
-2				0.2		2-4 ft bgs: FILL: fine grained sand and silt, ~30% cobbles up to 1 ft in diameter, ~20% fine to coarse subrounded gravel, moist, light brown, no odor.		
-4	E101BS	(4-5)			SW	4-5 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~20% coarse to fine subrounded gravel, moist, brown, no odor.	E101BS	(4-5)
-5			36	0.4		5-9 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse grained sand, ~30% coarse to fine subrounded gravel, moist, brown, no odor.		
-7	E101CS	(7-9)		0.2			E101CS	(7-9)
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Samples E101AS & E101BS were submitted to lab on hold 1/23/2013

Lab was instructed to analyze samples placed on hold on 1/24/2013.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E15A		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710502.32		Easting: 656045.35		Page 1 of 1
Weather: ~45F, partly cloudy, little to no wind.							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/12/12		Depth of Boring: 17 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 24.50' NAVD 88		Date Finished: 12/12/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			24	0.0	FILL	0-5 ft bgs: FILL: medium to fine grained sand, ~20% silt, ~20% coarse to fine subrounded gravel, ~10% clinker and brick debris, moist, brown-dark brown, no odor.		
-1								
-2								
-3								
-4								
-5			30	0.0		5-10 ft bgs: SAA, wet at 9 ft bgs.		
-6								
-7	E15ACS	(7-9)		0.2			E15ACS	(7-9)
-8								
-9								
-10	E15ADS	(10-12)	36	0.4		10-12 ft bgs: SAA (0-5), wet.	E15ADS	(10-12)
-11								
-12				0.0		12-13 ft bgs: FILL: medium to fine grained sand and silt, wet, light brown, no odor.		
-13						13-14 ft bgs: SAA (0-5), wet.		
-14					SM	14-15 ft bgs: SILTY SAND (SM): medium to fine grained sand and silt, wet, light brown, no odor.		
-15	E15AES	(15-17)	3	0.3		15-17 ft bgs: SILTY SAND (SM): medium to fine grained sand and silt, wet, light brown, no odor.	E15AES	(15-17)
-16								
-17						END OF BORING 17 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.
E15A location was previously precleared and sampled to 6 ft bgs. Log of top 6 ft is a composite.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E42		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710862.32		Easting: 655951.88		Page 1 of 1
Weather: ~70F, partly cloudy, light wind							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/22/2012		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 22.68' NAVD 88		Date Finished: 3/22/2012		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-8" ft bgs: CONCRETE		
-1	E42AS	(1-2)		3.3		8"-1.8 ft bgs: FILL: fine grained sand, dry, light brown, no odor. 1.8-2 ft bgs: SAA, ~10% fine subrounded gravel, dry, stained black, no odor.	E42AS	(1-2)
-2				5.3		2-3 ft bgs: FILL: medium to fine grained sand, ~25% clinker, ~10% silt, dry, stained dark brown, no odor.		
-3				6.5		3-5 ft bgs: SAA, no odor.		
-4								
-5	E42BS	(5-6)	33	4.4		5-9 ft bgs: FILL: medium to fine grained sand, ~25% clinker, moist, wet at 9 ft bgs, stained dark brown, very slight tar-like odor.	E42BS	(5-6)
-6								
-7	E42CS	(7-9)		4.8			E42CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vector truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E43			
					Project Number: 60136643 - 0140					
					Site Location: East Yard, Astoria facility					
					Northing: 710860.05		Easting: 655878.58		Page 1 of 1	
Weather: 60F, foggy, light breeze								Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____			
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/22/12		Depth of Boring: 9 ft bgs			
Drilling Contractor: NYEG Drilling			Ground Elevation: 22.58' NAVD 88		Date Finished: 3/22/12		Water Level: ~8.5 ft bgs			
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)			Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2" bgs: ASPHALT 2"-1 ft bgs: CONCRETE 1-2 ft bgs: FILL: medium to fine grained sand, ~20% fine subangular gravel, <5% wood debris, dry, stained dark brown, no odor.		
-1	E43AS	(1-2)		0.2			E43AS	(1-2)
-2				3.0		2-5 ft bgs: FILL: medium to fine grained sand, ~30% clinker, ~10% silt, dry, stained dark brown, no odor.		
-3				2.5				
-4								
-5	E43BS	(5-6)	30	2.4		5-8 ft bgs: SAA (2-5).	E43BS	(5-6)
-6								
-7	E43CS	(7-9)					E43CS	(7-9)
-8				1.6		8-8.5 ft bgs: FILL: fine grained sand, ~10% silt, moist, stained black, burnt-like odor. 8.5-9 ft bgs: FILL: SAA (5-8), wet at 8.5 ft bgs. END OF BORING 9 ft bgs		
-9								

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E44		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710764.8		Easting: 655869.56		Page 1 of 2
Weather: 70F, sunny, light wind							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/20/12		Depth of Boring: 30.5 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 23.32' NAVD 88		Date Finished: 3/22/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			72	NA	FILL	0-1" bgs: ASPHALT 1"-10" bgs: CONCRETE 10"-1.5 ft bgs: FILL: medium to fine grained sand, ~20% silt, ~5% large cobbles <12 inches in diameter, dry, light brown, no odor.		
-1	E44AS	(1-2)		3.9			E44AS	(1-2)
-2				2.4				
-3				3.1		1.5-3.0 ft bgs: FILL: medium to fine grained sand, ~50% clinker, ~5% large pieces of clinker >4 inches in diameter, dry, stained dark brown, no odor.		
-4				3.9		3-4 ft bgs: SAA (1.5-3).		
-5	E44BS	(5-6)				4-6 ft bgs: FILL: medium to fine grained sand, ~10% fine rounded gravel, moist, stained black, no odor.	E44BS	(5-6)
-6			24	4.5				
-7	E44CS	(7-9)				6-7.5 ft bgs: FILL: medium to fine grained sand, ~10% fine subrounded gravel, <5% clinker, moist, stained black, slight tar-like odor.	E44CS	(7-9)
-8						7.5-9 ft bgs: SAA, ~15% clinker, bluish greasy coating, slight naphthalene-like odor.		
-9	E44DS	(9-11)	18	4.1		9-11 ft bgs: SAA, wet, bluish greasy coating, strong naphthalene-like odor.	E44DS	(9-11)
-10								
-11	E44ES	(11-13)		70.7		11-12 ft bgs: FILL: silty sand, wet, light brown, moderate naphthalene-like odor.	E44ES	(11-13)
-12	E44FS	(12-14)				12-13 ft bgs: FILL: medium to fine grained sand, ~30% clinker, wet, stained black, moderate naphthalene-like odor.	E44FS	(12-14)
-13			42	17.2		13-14 ft bgs: SAA, brown.		
-14				6.0	CL	14-14.5 ft bgs: SILTY CLAY (CL): silty clay, <5% plant fibers, low plastic, wet, grey, moderate tar-like odor.		
-15					SM			
-16			24	12.0		14.5-16 ft bgs: SILTY SAND (SM): silt and fine grained sand, <5% fine subrounded gravel, wet, light brown, moderate tar-like odor.		
-17						16-20 ft bgs: SAA (14.5-16), slight tar-like odor.		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E44			
					Project Number: 60136643 - 0140					
					Site Location: East Yard, Astoria facility					
					Northing: 710764.8		Easting: 655869.56		Page 2 of 2	
Weather: 70F, sunny, light wind								Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____			
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/20/12		Depth of Boring: 30.5 ft bgs			
Drilling Contractor: NYEG Drilling			Ground Elevation: 23.32' NAVD 88		Date Finished: 3/22/12		Water Level: ~9 ft bgs			
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)			Lab Sample ID	Lab Sample Depth (ft)

-18								
-19								
-20			48	5.1	SW	20-24 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% silt, wet, orange-brown, slight tar-like odor.		
-21				5.0				
-22						24-28 ft bgs: SAA, ~10% coarse grained sand.		
-23			24	4.2				
-24						28-30.5 ft bgs: SILTY SAND (SM): fine grained sand, ~20% silt, wet, light brown, slight tar-like odor.		
-25								
-26						REFUSAL AT 30.5 ft bgs		
-27			23	5.6	SM			
-28								
-29								
-30								

Notes:

This location was cleared to 5 ft bgs using a vector truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E45		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710775.34		Easting: 655820.7		Page 1 of 2
Weather: 60F, cloudy, light breeze							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/21/12		Depth of Boring: 19.4 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 23.07		Date Finished: 3/22/12		Water Level: ~8 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2" bgs: ASPHALT 2"-8" bgs: CONCRETE 8"-1.75 ft bgs: FILL: fine grained sand, ~30% silt, moist, light brown, no odor. 1.75-2 ft bgs: FILL: medium to fine grained sand, ~40% clinker, dry, stained dark brown, no odor. 2-3 ft bgs: SAA.		
-1	E45AS	(1-2)		3.4			E45AS	(1-2)
-2				3.0				
-3				68.9		3-5 ft bgs: SAA, ~10% brick debris at 4.9 ft bgs, stained dark brown, moderate tar-like odor.		
-4								
-5	E45BS	(5-6)	42	30.5		5-8 ft bgs: SAA, light tar-like coating 7-8 ft bgs, moderate tar-like odor.	E45BS	(5-6)
-6								
-7	E45CS	(7-9)		13.7			E45CS	(7-9)
-8					SM	8-9 ft bgs: SILTY SAND (SM): fine grained sand and silt, wet, light brown, slight tar-like odor.		
-9			17	15.3		9-12 ft bgs: SAA, ~10% clay, <5% coarse subrounded gravel, slight tar-like odor.		
-10								
-11								
-12			36	7.9		12-16 ft bgs: SILTY SAND (SM): fine grained sand and silt, ~10% fine subrounded gravel, wet, light brown, slight tar-like odor.		
-13								
-14				8.2				
-15								

Notes:

This location was cleared to 5 ft bgs using a vector truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E45			
					Project Number: 60136643 - 0140					
					Site Location: East Yard, Astoria facility					
					Northing: 710775.34		Easting: 655820.7		Page 2 of 2	
Weather: 60F, cloudy, light breeze							Monitoring Well Installed: No			
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____			
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/21/12		Depth of Boring: 19.4 ft bgs			
Drilling Contractor: NYEG Drilling			Ground Elevation: 23.07		Date Finished: 3/22/12		Water Level: ~8 ft bgs			
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)			Lab Sample ID	Lab Sample Depth (ft)

-16			24	6.4	SW	16-19.4 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~20% silt, ~20% coarse grained sand, ~10% fine subangular gravel, wet, light brown, slight tar-like odor.		
-17								
-18								
-19						REFUSAL AT 19.4 ft bgs		

Notes:
This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable
2) ft - feet
3) bgs - below ground surface
4) U.S.C.S. - Unified Soil Classification System
5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above
7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E46		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710700.21		Easting: 655782.37		Page 1 of 1
Weather: 55F, mostly cloudy, gusty wind							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/29/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 24.06' NAVD 88		Date Finished: 3/29/12		Water Level: ~3 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2" bgs: ASPHALT 2"-8" bgs: CONCRETE 8"-2 ft bgs: FILL: silty fine grained sand, ~20% coarse subrounded gravel, <5% brick debris, dry, light brown, no odor.		
-1	E46AS +ms/msd	(1-2)		0.5			E46AS +ms/msd	(1-2)
-2				1.5	SM	2-3 ft bgs: SILTY SAND (SM): silty, medium to fine grained sand, ~15% fine subrounded gravel, ~5% coarse subrounded gravel, moist, stained dark brown, slight tar-like odor.		
-3				1.6	ML	3-5 ft bgs: SANDY SILT (ML): silt, ~30% clay, ~10% fine grained sand, soft, low plastic, wet, light brown, no odor.		
-4								
-5	E46BS	(5-6)	39	1.6		5-7 ft bgs: SAA, ~10% fine subrounded gravel.	E46BS	(5-6)
-6								
-7	E46CS +Dup	(7-9)		2.7	SM	7-9 ft bgs: SILTY SAND (SM): fine grained sand and silt, ~25% fine subrounded gravel, wet, light brown, no odor.	E46CS +Dup	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E47		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710682.03		Easting: 655839.75		Page 1 of 1
Weather: 60F, cloudy, light breeze							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/21/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 24.49' NAVD 88		Date Finished: 3/21/12		Water Level: ~8.5 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2" bgs: ASPHALT 2"-8" bgs: CONCRETE 8"-2 ft bgs: FILL: medium to fine grained sand, ~25% silt, ~15% coarse to fine subrounded gravel, moist, stained dark brown, no odor.		
-1	E47AS	(1-2)		2.2			E47AS	(1-2)
-2				4.0		2-3 ft bgs: FILL: medium to fine grained sand, ~40% silt, ~10% fine subrounded gravel, moist, brown, no odor.		
-3				3.7		3-4 ft bgs: SAA (2-3).		
-4				3.4		4-5 ft bgs: FILL: medium to fine grained sand, ~40% clinker, moist, stained black, slight naphthalene-like odor.		
-5	E47BS	(5-6)	29	4.4		5-8.5 ft bgs: SAA.	E47BS	(5-6)
-6								
-7	E47CS	(7-9)		4.4			E47CS	(7-9)
-8								
-9					ML	8.5-9 ft bgs: SANDY SILT (ML): silt, ~30% fine grained sand, wet, brown, slight naphthalene-like odor. END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vector truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E48		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710532.48		Easting: 656080.12		Page 1 of 1
Weather: 55F, foggy, light wind							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/20/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 23.93' NAVD 88		Date Finished: 3/21/12		Water Level: ~8.5 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-3" bgs: ASPHALT 3"-10" bgs: CONCRETE 10"-3 ft bgs: FILL: medium to fine grained sand, ~30% silt, ~15% coarse to fine subrounded gravel, dry, light brown, no odor.		
-1	E48AS	(1-2)		5.5			E48AS	(1-2)
-2								
-3				3.8		3-5 ft bgs: FILL: medium to fine grained sand, ~15% fine subrounded gravel, dry, stained dark brown, no odor.		
-4								
-5	E48BS	(5-6)	29	3.3		5-9 ft bgs: FILL: medium to fine grained sand, ~10% fine subrounded gravel, <5% clinker, <5% silt, moist, wet at 8.5 ft bgs, stained dark brown, slight tar-like odor, 1 inch thick layer of sandy silt from 8'5" to 8'6", light brown, wet, slight tar-like odor.	E48BS	(5-6)
-6								
-7	E48CS	(7-9)		3.7			E48CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vector truck.

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

- 6) SAA - Same As Above
- 7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E49		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710538.03		Easting: 656027.03		Page 1 of 1
Weather: 55F, foggy, light wind							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/20/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 24.33' NAVD 88		Date Finished: 3/21/12		Water Level: NA		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2" bgs: ASPHALT 2"-8" bgs: CONCRETE		
-1	E49AS	(1-2)		4.2		8"-1 ft bgs: FILL: medium to fine grained sand, ~25% silt, ~25% coarse to fine subangular-subrounded gravel, ~5% large cobbles up to 12 inches in diameter, dry, light brown, no odor.	E49AS	(1-2)
-2				3.8		1-3 ft bgs: FILL: medium to fine grained sand, ~20% coarse to fine subrounded gravel, dry, stained dark brown, slight naphthalene-like odor.		
-3				1.9		3-4 ft bgs: SAA (8"-1).		
-4				2.5		4-5 ft bgs: FILL: medium to fine grained sand, ~40% clinker, dry, stained dark brown, no odor.		
-5	E49BS	(5-6)	33	3.6		5-9 ft bgs: FILL: clinker debris, ~30% medium grained sand, loose, light weight, dry, stained black, no odor.	E49BS	(5-6)
-6								
-7	E49CS	(7-9)		0.5			E49CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vector truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E50		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710515.84		Easting: 656020.53		Page 1 of 1
Weather: 55F, foggy, light wind							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/20/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 24.42' NAVD 88		Date Finished: 3/20/12		Water Level: NA		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1" bgs: ASPHALT 1"-10" bgs: CONCRETE 10"-2 ft bgs: FILL: fine grained sand, ~35% silt, ~15% fine rounded gravel, 1 cobble ~12 inches in diameter, moist, light brown, no odor.		
-1	E50AS +ms/msd	(1-2)		1.1			E50AS +ms/msd	(1-2)
-2				1.7		2-3 ft bgs: FILL: medium to fine grained sand, ~20% silt, ~10% coarse rounded gravel and clinker debris, dry, stained dark brown, no odor.		
-3				1.5		3-4 ft bgs: SAA (1-2), 3'1"-3'4" ASPHALT layer.		
-4				1.2		4-5 ft bgs: FILL: medium grained sand, ~40% clinker, dry, stained dark brown, no odor.		
-5	E50BS	(5-6)	24	5.8		5-9 ft bgs: SAA (4-5).	E50BS	(5-6)
-6								
-7	E50CS	(7-9)		4.6			E50CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vector truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E51		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710577.30		Easting: 655781.10		Page 1 of 1
Weather: 60F, sunny, light breeze							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/19/12		Depth of Boring: 10 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.08' NAVD 88		Date Finished: 3/19/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1" bgs: ASPHALT 1"-10" bgs: CONCRETE 10"-2 ft bgs: FILL: medium to fine grained sand, ~20% silt, ~20% coarse to fine rounded gravel, <5% cobbles up to 2 ft in diameter, dry, dark gray staining, slight tar-like odor.		
-1	E51AS	(1-2)		5.7			E51AS	(1-2)
-2				2.4		2-3 ft bgs: FILL: medium to fine grained sand, ~15% coarse subrounded gravel, moist, brown, slight tar-like odor.		
-3				0.0		3-4 ft bgs: FILL: boulder, medium to fine grained sand, moist, light brown, no odor.		
-4						4-5 ft bgs: SAA, boulder at 5 ft bgs.		
-5	E51BS	(5-6)	60	2.6	SW	5-6 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~30% silt, ~25% coarse rounded gravel, moist, brown, no odor.	E51BS	(5-6)
-6				3.7	SM	6-7 ft bgs: SILTY SAND (SM): silt, ~30% fine grained sand, ~10% fine subrounded to rounded gravel, ~10% medium grained sand, wet, brown, no odor.		
-7	E51CS	(7-9)		3.3	SW	7-9 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~15% silt, ~10% coarse rounded gravel, moist, brown, no odor.	E51CS	(7-9)
-8								
-9				4.2		9-10 ft bgs: SAA, wet, orange-brown.		
-10						END OF BORING 10 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vector truck.
This location was hand augered to 10 ft bgs to get past boulder at 5 ft bgs.

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

- 6) SAA - Same As Above
- 7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E52		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710450.37		Easting: 655914.72		Page 1 of 1
Weather: 70, sunny, breezy							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/19/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.11' NAVD 88		Date Finished: 3/20/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-3.5" bgs: ASPHALT 3.5"-1 ft bgs: CONCRETE 1-1.8 ft bgs: FILL: medium to fine grained sand, ~20% silt, ~15% coarse rounded gravel, <5% cobbles up to 8 inches in diameter, dry, light brown, no odor. 1.8-2.5 ft bgs: FILL: fine grained sand, ~10% silt, ~20% clinker debris, dry, stained black, no odor.		
-1	E52AS	(1-2)		1.8			E52AS	(1-2)
-2				3.2				
-3				2.5	SW	2.5-4 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% silt, ~10% fine rounded gravel, moist, brown, no odor.		
-4				2.3	ML	4-5 ft bgs: SANDY SILT (ML): silt, ~30% clay, ~10% fine grained sand, <5% coarse rounded gravel, wet, light brown, no odor.		
-5	E52BS	(5-6)	34	6.5		5-9 ft bgs: SANDY SILT (ML): silt, ~30% clay, ~15% fine grained sand, ~5% coarse subrounded gravel, low plastic, moist, wet at 9 ft bgs, light brown, no odor.	E52BS	(5-6)
-6								
-7	E52CS	(7-9)		5.5			E52CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vector truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E53		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710481.90		Easting: 655682.32		Page 1 of 1
Weather: 45F, overcast, breezy							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/15/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.90' NAVD 88		Date Finished: 3/20/12		Water Level: NA		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-3" bgs: ASPHALT 3"-11" bgs: CONCRETE 11"-1.5 ft bgs: FILL: medium to fine grained sand, ~30% silt, ~30% coarse subangular gravel, ~5% cobbles and bricks, moist, light brown, no odor. 1.5-3 ft bgs: SAA, dark brown, wet from water used to core concrete.		
-1	E53AS	(1-2)		0.7			E53AS	(1-2)
-2				0.3				
-3				0.7	SW	3-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~5% coarse grained sand, <5% coarse rounded gravel, moist, light brown, no odor.		
-4								
-5	E53BS	(5-6)	38	6.3		5-8.5 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~20% coarse to fine subrounded gravel, moist, light brown, no odor.	E53BS	(5-6)
-6								
-7	E53CS	(7-9)					E53CS	(7-9)
-8								
-9				5.5	SM	8.5-9 ft bgs: SILTY SAND (SM): fine grained sand, ~40% silt, ~10% coarse grained sand, moist, orange-brown, no odor. END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

- 6) SAA - Same As Above
- 7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E54			
					Project Number: 60136643 - 0140					
					Site Location: East Yard, Astoria facility					
					Northing: 710460.64		Easting: 655648.14		Page 1 of 1	
Weather: 70F, sunny, breezy								Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe						Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab				Logged by: Jessica Ehlen		Date Started: 3/14/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling				Ground Elevation: 25.98' NAVD 88		Date Finished: 3/20/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)			Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1.5" bgs: ASPHALT 1.5"-8.5" bgs: CONCRETE 8.5"-1 ft bgs: FILL: medium to fine grained sand, ~15% silt, ~15% coarse to fine subangular to subrounded gravel, 2 cobbles >12 inches in diameter, dry, brown, no odor. 1-2 ft bgs: SAA, 1 cobble >12 inches in diameter. 2-3 ft bgs: SAA (1-2).		
-1	E54AS	(1-2)		0.2			E54AS	(1-2)
-2				0.3				
-3				0.3	SW	3-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse subrounded gravel, moist, light brown, no odor.		
-4				0.3				
-5	E54BS	(5-6)	34	5.2			E54BS	(5-6)
-6						5-9 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~20% coarse subangular to subrounded gravel, moist, wet at 9 ft bgs, light brown, no odor.		
-7	E54CS	(7-9)		3.9			E54CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vector truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E55		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710430.69		Easting: 655688.70		Page 1 of 1
Weather: 45F, overcast, breezy							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/15/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.86' NAVD 88		Date Finished: 3/20/12		Water Level: ~8.5 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1" bgs: ASPHALT 1"-5" bgs: CONCRETE 5"-2 ft bgs: FILL: medium to fine grained sand, ~20% silt, ~10% fine rounded gravel, ~5% coarse subangular gravel, moist, brown, no odor.		
-1	E55AS	(1-2)		0.7			E55AS	(1-2)
-2				0.3		2-3 ft bgs: SAA, 2 cobbles >12 inches in diameter.		
-3				0.3	SW	3-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse grained sand, ~10% fine subrounded gravel, moist, light brown, no odor.		
-5	E55BS	(5-6)	36	4.1		5-7.5 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~15% coarse subrounded gravel, moist, light brown, no odor.	E55BS	(5-6)
-6								
-7	E55CS	(7-9)					E55CS	(7-9)
-8				3.4	SM	7.5-9 ft bgs: SILTY SAND (SM): fine grained sand, ~40% silt, ~10% coarse grained sand, firm, moist, wet at 8.5 ft bgs, orange-brown, no odor.		
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E56		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710430.08		Easting: 655650.82		Page 1 of 1
Weather: 60F, sunny, light breeze							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/14/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 26.24' NAVD 88		Date Finished: 3/20/12		Water Level: NA		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-10" bgs: ASPHALT 10"-1 ft bgs: FILL: coarse angular gravel.		
-1	E56AS	(1-2)		0.3	SW	1-2 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~20% silt, ~10% coarse subrounded gravel, moist, brown, no odor.	E56AS	(1-2)
-2				0.7		2-4 ft bgs: SAA.		
-3								
-4				0.5		4-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% fine subrounded gravel, moist, brown, no odor.		
-5	E56BS	(5-6)	48	3.5		5-6 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~10% fine subrounded gravel, moist, light brown, no odor.	E56BS	(5-6)
-6						6-8 ft bgs: SAA.		
-7	E56CS	(7-9)		2.4			E56CS	(7-9)
-8					SM	8-9 ft bgs: SILTY SAND (SM): fine grained sand, ~40% silt, ~10% fine subrounded gravel, moist, orange-brown, no odor. END OF BORING 9 ft bgs		
-9								

Notes:

This location was cleared to 5 ft bgs using a vector truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E57		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710530.99		Easting: 655687.60		Page 1 of 1
Weather: 50F, overcast, breezy							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/15/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.67' NAVD 88		Date Finished: 3/20/12		Water Level: ~8.5 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	SW	0-3" bgs: ASPHALT 3"-1 ft bgs: CONCRETE		
-1	E57AS	(1-2)		50.8		1-2 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~25% silt, ~10% fine subrounded gravel, moist, dark gray staining, moderate maphthalene-like odor.	E57AS	(1-2)
-2				45.8		2-3.5 ft bgs: SAA.		
-3				1.5		3.5-6 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% fine rounded gravel, moist, light brown, no odor.		
-4								
-5	E57BS	(5-6)	40				E57BS	(5-6)
-6				2.8		6-8.5 ft bgs: SAA (3.5-6), wet at 8.5 ft bgs.		
-7	E57CS	(7-9)		3.4			E57CS	(7-9)
-8								
-9					ML	8.5-9 ft bgs: SILTY SAND (SM): fine grained sand, ~40% silt, ~10% fine subrounded gravel, firm, wet, orange-brown, no odor. END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vector truck.
Soils from this location were drummed and clean sand was used to backfill boring.

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

- 6) SAA - Same As Above
- 7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E58		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710543.76		Easting: 655747.90		Page 1 of 1
Weather: 50F, overcast, occasional rain							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/16/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.29' NAVD 88		Date Finished: 3/20/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1.5" bgs: ASPHALT 1.5"-1 ft bgs: CONCRETE		
-1	E58AS	(1-2)		1.5		1-2 ft bgs: FILL: medium to fine grained sand, ~15% silt, ~20% brick debris, concrete debris and coarse to fine subangular to rounded gravel, moist, dark grey staining, slight tar-like odor.	E58AS	(1-2)
-2				1.8		2-3 ft bgs: SAA, ~10% whole bricks, light grey.		
-3				1.3	SW	3-5 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~10% coarse to fine rounded gravel, moist, light brown, no odor.		
-4								
-5	E58BS	(5-6)	40	4.2		5-9 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse grained sand, <5% coarse rounded gravel, moist, wet at 9 ft bgs, light brown, sweet solvent-like odor.	E58BS	(5-6)
-6								
-7	E58CS	(7-9)		6.1			E58CS	(7-9)
-8								
-9						END OF BORING 9 ft bg		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E59		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710481.05		Easting: 655739.00		Page 1 of 1
Weather: 45F, overcast, misty, light breeze							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/16/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.63' NAVD 88		Date Finished: 3/20/12		Water Level: NA		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2" bgs: ASPHALT 2"-9" bgs: CONCRETE 9"-2 ft bgs: FILL: medium to fine grained sand, ~10% coarse grained sand, <5% brick debris, fine subrounded gravel, and clinker, moist, dark grey staining, moderate tar-like odor.		
-1	E59AS +Dup	(1-2)		74.5			E59AS +Dup	(1-2)
-2				25.7		2-3 ft bgs: SAA.		
-3				5.7	SW	3-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse to fine subrounded to rounded gravel, moist, light brown, no odor.		
-4								
-5	E59BS	(5-6)	39	3.8		5-6.5 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~20% coarse subangular gravel, moist, light brown, no odor.	E59BS	(5-6)
-6								
-7	E59CS	(7-9)		3.5	SM	6.5-9 ft bgs: SILTY SAND (SM): fine grained sand, ~40% silt, ~10% fine surrounded gravel, firm, moist, no odor.	E59CS	(7-9)
-8								
-9						END OF BORING 9 ft bg		

Notes:

This location was cleared to 5 ft bgs using a vector truck.
Soils from this location were drummed and clean sand was used to backfill boring.

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E60		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710768.36		Easting: 655886.80		Page 1 of 1
Weather: 60F, sunny, light wind							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 4/4/12		Depth of Boring: 13 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 23.35' NAVD 88		Date Finished: 4/4/12		Water Level: ~8.5 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1" bgs: ASPHALT 1"-9.5" bgs: CONCRETE 9.5"-2 ft bgs: FILL: fine grained sand, ~15% silt, moist, light brown, no odor.		
-1	E60AS	(1-2)		0.4			E60AS	(1-2)
-2				0.3		2-3 ft bgs: FILL: fine grained sand, ~30% silt, ~5% fine subangular gravel, moist, light brown, no odor.		
-3				0.4		3-4 ft bgs: SAA.		
-4						4-5 ft bgs: FILL: medium to fine grained sand, ~10% silt, ~25% clinker, moist, stained dark brown, no odor.		
-5	E60BS	(5-6)	28	0.6		5-9 ft bgs: SAA, wet at 8.5 ft bgs, 1 piece of solid tar ~1" thick from 8.8-8.9 ft bgs, slight tar-like odor from 8.5-9 ft bgs.	E60BS	(5-6)
-6								
-7	E60CS	(7-9)		2.6			E60CS	(7-9)
-8								
-9	E60DS	(9-11)	30	1.0		9-12.5 ft bgs: SAA (5-9), no solid tar pieces, wet, slight tar-like odor, <5% wood debris with a creasote-like odor from 12-12.5 ft bgs.	E60DS	(9-11)
-10								
-11				3.5				
-12								
-13					ML	12.5-13 ft bgs: SILT (ML): silt, ~30% clay, soft, low plastic, wet, grey, very slight tar-like odor. END OF BORING 13 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vector truck
Sample E60DS was analyzed for SVOCs only

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

- 6) SAA - Same As Above
- 7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E61		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710530.72		Easting: 655758.63		Page 1 of 1
Weather: 50F, partly cloudy, gusty wind							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 4/2/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.31' NAVD 88		Date Finished: 4/2/12		Water Level: NA		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1" bgs: ASPHALT 1"-7" bgs: CONCRETE 7"-2 ft bgs: FILL: medium to fine grained sand, ~20% silt, ~15% coarse subrounded gravel, dry, light brown, no odor.		
-1	E61AS	(1-2)		0.3			E61AS	(1-2)
-2				0.4		2-3.5 ft bgs: SAA, ~10% clinker, 2 cobbles at 2.5 ft bgs, moist.		
-3								
-4				0.3	SW	3.5-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~5% fine subrounded gravel, moist, light brown, no odor.		
-5	E61BS	(5-6)	44	0.4		5-8.5 ft bgs: SAA.	E61BS	(5-6)
-6								
-7	E61CS	(7-9)		0.5			E61CS	(7-9)
-8								
-9					ML	8.5-9 ft bgs: SILT (ML): silt, ~35% fine grained sand, <5% fine subrounded gravel, moist, brown, no odor. END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vector truck

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E62		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710552.52		Easting: 655734.44		Page 1 of 1
Weather: 50F, partly cloudy, gusty wind							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 4/2/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.28' NAVD 88		Date Finished: 4/2/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1.5" bgs: ASPHALT 1.5"-8" bgs: CONCRETE 8"-2 ft bgs: FILL: medium to fine grained sand, ~25% silt, ~15% coarse to fine subangular gravel, <5% brick debris, metal debris at 8" bgs, moist, stained dark brown, very slight tar-like odor. 2-3 ft bgs: FILL: medium to fine grained sand, ~20% silt, ~10% clinker, ~10% fine subrounded gravel, <5% wood debris, moist, stained dark brown, very slight tar-like odor.		
-1	E62AS +Dup	(1-2)		1.2			E62AS +Dup	(1-2)
-2				0.8				
-3				0.5	SW	3-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~20% silt, ~15% fine subrounded gravel, moist, brown, no odor.		
-4								
-5	E62BS	(5-6)	39	0.8		5-9 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse grained sand, ~5% fine subrounded gravel, moist, wet at 9 ft bgs, light brown, no odor.	E62BS	(5-6)
-6								
-7	E62CS	(7-9)		0.9			E62CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vector truck

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E63		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710517.48		Easting: 655661.75		Page 1 of 1
Weather: 55F,sunny, gusty wind							Monitoring Well Installed: No		
Drilling Method:Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started:3/29/12		Depth of Boring: 10 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation:25.76' NAVD 88		Date Finished:3/29/12		Water Level:~8.5 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2" bgs: ASPHALT 2"-11" bgs: CONCRETE 11"-2 ft bgs: FILL: medium to fine grained sand, ~15% silt, ~10% fine subrounded gravel, dry, stained dark brown, slight tar-like odor.		
-1	E63AS +Dup	(1-2)	25.5				E63AS +Dup	(1-2)
-2	E63A1S	(2-3)	129			2-3 ft bgs: SAA, <5% brick debris, large cobbles, wet, slight tar-like coating, strong tar-like odor. 3-3.5 ft bgs: SAA.	E63A1S	(2-3)
-3			87					
-4			39.5	SW		3.5- 6 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% fine subrounded gravel, moist, light brown, moderate tar-like odor.		
-5	E63BS	(5-6)	48				E63BS	(5-6)
-6			25.5			6-9 ft bgs: SAA, ~10% coarse grained sand, wet at 8.5 ft bgs.		
-7	E63CS	(7-9)	21.3				E63CS	(7-9)
-8								
-9			9.2			9-10 ft bgs: SAA (6-9), cobbles, ~30% medium to fine grained sand.		
-10						END OF BORING 10 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vector truck.
Soils from this location were drummed and clean sand was used to backfill boring.

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

- 6) SAA - Same As Above
- 7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E64		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710467.48		Easting: 655755.59		Page 1 of 1
Weather: 45F, sunny, breezy							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/30/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.62' NAVD 88		Date Finished: 3/30/12		Water Level: ~3 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1.5" bgs: ASPHALT 1.5"-9" bgs: CONCRETE 9"-2 ft bgs: FILL: medium to fine grained sand, ~20% coarse subangular gravel, ~10% clinker, cobbles at 2 ft bgs, dry, stained dark brown, slight tar-like odor.		
-1	E64AS	(1-2)		21.2			E64AS	(1-2)
-2				54.8		2-3 ft bgs: SAA, no clinker, moist, moderate to strong tar-like odor.		
-3				2.5	SW	3-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse subrounded gravel, wet, light brown, very slight tar-like odor.		
-4								
-5	E64BS +Dup	(5-6)	48	2.2		5-8 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~5% coarse grained sand, wet, light brown, slight chlorine-like odor.	E64BS +Dup	(5-6)
-6								
-7	E64CS +ms/msd	(7-9)		1.3			E64CS +ms/msd	(7-9)
-8					ML	8-9 ft bgs: SILT (ML): silt, ~30% fine grained sand, ~10% clay, <5% coarse subrounded gravel, firm, non-plastic, wet, brown, slight chlorine-like odor.		
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vector truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E65		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710749.50		Easting: 655838.11		Page 1 of 1
Weather: 50F, sunny, gusty wind							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 4/3/12		Depth of Boring: 13 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 23.57' NAVD 88		Date Finished: 4/3/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1.5" bgs: ASPHALT 1.5"-9" bgs: CONCRETE		
-1	E65AS	(1-2)		0.9		9"-2 ft bgs: FILL: medium to fine grained sand, ~20% silt, ~10% fine subrounded gravel, moist, stained dark brown, no odor, asphalt layer 1.8-2 ft bgs.	E65AS	(1-2)
-2				0.8				
-3				0.8		2-3 ft bgs: FILL: medium to fine grained sand, ~30% clinker, dry, stained black, no odor.		
-4						3-5 ft bgs: FILL: clinker, ~30% fine grained sand, loose, light weight, dry, stained black, no odor.		
-5	E65BS +Dup	(5-6)	48	178		5-8.5 ft bgs: SAA, moderate tar-like odor, 2 pieces of solid tar 5.5-5.7 ft bgs and 7.8-7.9 ft bgs, solid tar pieces are plyable.	E65BS +Dup	(5-6)
-6								
-7	E65CS +ms/msd	(7-9)		24.6			E65CS +ms/msd	(7-9)
-8								
-9			30	2.3	SM	8.5-9 ft bgs: SILTY SAND (SM): silt and fine grained sand, moist, brown, slight tar-like odor.		
-10						9-11.5 ft bgs: SAA, ~10% clay, soft, wet, very slight tar-like odor.		
-11								
-12				2.4		11.5-13 ft bgs: SILTY SAND (SM): fine grained sand, ~30% silt, ~5% fine subrounded gravel, wet, brown, no odor.		
-13						END OF BORING 13 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vector truck.
E65CS was also analyzed for SVOCs.

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

- 6) SAA - Same As Above
- 7) ppm - parts per million

	Client: Con Edison, Astoria, NY		Boring ID: E66
	Project Number: 60136643 - 0140		
	Site Location: East Yard, Astoria facility		
	Northing: 710507.35 Easting: 656011.54		
Weather: 50F, sunny, gusty wind			Page 1 of 1
Drilling Method: Truck mounted geoprobe			Monitoring Well Installed: No
Boring Diameter: 2 1/8"		Screened Interval: _____	
Sample Type(s): Grab	Logged by: Jessica Ehlen	Date Started: 4/3/12	Depth of Boring: 9 ft bgs
Drilling Contractor: NYEG Drilling	Ground Elevation: 24.49' NAVD 88	Date Finished: 4/3/12	Water Level: ~8.5 ft bgs

Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)	Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2" bgs: ASPHALT 2"-9" bgs: CONCRETE		
-1	E66AS	(1-2)		0.5		9"-2 ft bgs: FILL: medium to fine grained sand, ~25% silt, ~15% coarse to fine subrounded gravel, <5% cobbles moist, light brown, no odor.	E66AS	(1-2)
-2				0.7		2-3 ft bgs: FILL: fine grained sand, ~30% coarse to fine subangular gravel, ~5% clinker, dry, stained dark brown, no odor.		
-3				0.4		3-3.5 ft bgs: SAA (9"-2), moist. 3.5-5 ft bgs: FILL: clinker, ~40% fine sand, loose, light weight, dry, stained dark brown, no odor.		
-4								
-5	E66BS	(5-6)	30	0.6		5-9 ft bgs: SAA, moist, wet at 8.5 ft bgs.	E66BS	(5-6)
-6								
-7	E66CS	(7-9)		0.5			E66CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E67		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710560.85		Easting: 656045.92		Page 1 of 1
Weather: 50F, sunny, breezy							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 4/3/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 23.96' NAVD 88		Date Finished: 4/3/12		Water Level: ~8.5 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2" bgs: ASPHALT 2"-11" bgs: CONCRETE 11"-2 ft bgs: FILL: medium to fine grained sand, ~10% silt, ~10% fine subrounded gravel, dry, light brown, no odor.		
-1	E67AS	(1-2)		0.1			E67AS	(1-2)
-2				0.2		2-3 ft bgs: SAA, ~15% fine subrounded gravel, moist.		
-3				0.2		3-3.5 ft bgs: SAA. 3.5-5 ft bgs: FILL: medium to fine grained sand, ~30% clinker, ~10% silt, dry, brown, no odor.		
-4								
-5	E67BS	(5-6)	36	0.3		5-9 ft bgs: SAA, ~40% clinker, stained dark brown, moist, wet at 8.5 ft bgs.	E67BS	(5-6)
-6								
-7	E67CS	(7-9)		0.3			E67CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E68			
					Project Number: 60136643 - 0140					
					Site Location: East Yard, Astoria facility					
					Northing: 710507.55		Easting: 656040.91		Page 1 of 1	
Weather: 50F, sunny, breezy								Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____			
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 3/30/12		Depth of Boring: 6 ft bgs			
Drilling Contractor: NYEG Drilling			Ground Elevation: 24.26' NAVD 88		Date Finished: 3/30/12		Water Level: NA			
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)			Lab Sample ID	Lab Sample Depth (ft)

0			NA	NA	FILL	0-8" bgs: CONCRETE		
-1	E68AS	(1-2)		0.4		8"-2 ft bgs: FILL: silt, ~20% fine grained sand, ~10% fine subangular gravel, dry, light brown, no odor.	E68AS	(1-2)
-2				0.4		2-3 ft bgs: FILL: medium to fine grain sand and clinker, dry, stained dark brown, no odor.		
-3						3-4 ft bgs: SAA (8"-2).		
-4			24	0.5		4-6 ft bgs: SAA (2-3).		
-5	E68BS	(5-6)				END OF BORING 6 ft bgs	E68BS	(5-6)
-6								

Notes:

Boring is located withing trench northeast of building 150.
A stainless steel hand trowl was used to collect E68AS sample.
A hand auger was used to collect E64BS sample.
Unable advance location deeper with hand auger due to cobbles.

Definitions:

1) NA - Not Applicable
2) ft - feet
3) bgs - below ground surface
4) U.S.C.S. - Unified Soil Classification System
5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above
7) ppm - parts per million

AECOM	Client: Con Edison, Astoria, NY		Boring ID: E69					
	Project Number: 60136643 - 0140							
	Site Location: East Yard, Astoria facility							
	Northing: 710534.53	Easting: 655642.38						
Weather: 55F, sunny, light breeze			Monitoring Well Installed: No					
Drilling Method: Truck mounted geoprobe		Boring Diameter: 2 1/8"	Screened Interval: _____					
Sample Type(s): Grab		Logged by: Jessica Ehlen	Date Started: 4/5/12					
Drilling Contractor: NYEG Drilling		Ground Elevation: 25.67' NAVD 88	Date Finished: 4/5/12					
		Water Level: NA						
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)	Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2" ASPHALT 2"-11" bgs: CONCRETE 11"-2 ft bgs: FILL: medium to fine grained sand, ~10% silt, ~15% coarse to fine subrounded gravel, <5% cobbles, moist, stained dark brown to black, slight tar-like odor.		
-1	E69AS	(1-2)		18.5			E69AS	(1-2)
-2				87.2	SM	2-3 ft bgs: SILTY SAND (SM): fine grained sand and silt, ~20% coarse to fine subangular gravel, moist, grey, moderate tar-like odor.		
-3				2.6	SW	3-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% fine subrounded gravel, moist, light brown, slight tar-like odor.		
-4								
-5	E69BS	(5-6)	48	0.4		5-9 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~5% fine subrounded gravel, moist, light brown, no odor.	E69BS	(5-6)
-6								
-7	E69CS	(7-9)		0.4			E69CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vector truck.
Soils from this location were drummed and clean sand was used to backfill boring.

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E70		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710485.71		Easting: 655630.02		Page 1 of 1
Weather: 55F, sunny, light breeze							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 4/5/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.91' NAVD 88		Date Finished: 4/5/12		Water Level: NA		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1.5" ASPHALT 1.5"-9" bgs: CONCRETE		
-1	E70AS	(1-2)		239		9"-2 ft bgs: FILL: medium to fine grained sand, ~20% coarse to fine subrounded gravel, wet (perched water running into borehole from under concrete), stained dark brown, strong sweet, pungent, detergent-like odor.	E70AS	(1-2)
-2				17.8	SM	2-3 ft bgs: SILTY SAND (SM): fine grained sand and silt, ~15% fine subrounded gravel, moist, light brown, slight sweet, pungent, detergent-like odor.		
-3				8.4	SW	3-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~20% coarse grained sand, moist, light brown, slight sweet, pungent, detergent-like odor.		
-4								
-5	E70BS	(5-6)	48	NA		5-9 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~5% fine subrounded gravel, moist, light brown, very slight sweet, pungent, detergent-like odor.	E70BS	(5-6)
-6								
-7	E70CS	(7-9)		NA			E70CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vector truck.
Sample E70AS was also analyzed for TCL & TCLP VOCS
Soils from this location were drummed and clean sand was used to backfill boring.

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E71		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: 710448.72		Easting: 655775.99		Page 1 of 1
Weather: 45F, sunny, light breeze							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 4/6/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.62' NAVD 88		Date Finished: 4/6/12		Water Level: NA		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1" bgs: ASPHALT 1"-7" bgs: CONCRETE 7"-2 ft bgs: FILL: medium to fine grained sand, ~25% silt, ~20% coarse to fine subrounded gravel, wet (perched water running into borehole from under concrete), brown, very slight tar-like odor.		
-1	E71AS +ms/msd	(1-2)		0.5			E71AS +ms/msd	(1-2)
-2				0.7	SM	2-3 ft bgs: SILTY SAND (SM): medium to fine grained sand, ~35% silt, ~15% fine subrounded gravel, ~5% plant fibers, wet (perched water running into borehole from under concrete), brown, no odor.		
-3				0.3	SW	3-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse grained sand, wet, light brown, no odor.		
-4								
-5	E71BS +Dup	(5-6)	42	0.5		5-9 ft bgs: SAA, ~25% coarse grained sand, ~10% coarse subrounded gravel, wet, light brown, no odor.	E71BS +Dup	(5-6)
-6								
-7	E71CS	(7-9)		0.5			E71CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E72		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: TBD		Easting: TBD		Page 1 of 1
Weather: 50F, sunny, light breeze							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 4/6/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: TBD		Date Finished: 4/6/12		Water Level: ~8 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2" bgs: ASPHALT 2"-9" bgs: CONCRETE		
-1	E72AS	(1-2)		6.6		9"-1 ft bgs: FILL: fine grained sand, moist, light brown, no odor. 1-2 ft bgs: FILL: medium to fine grained sand, ~15% silt, ~15% coarse to fine subrounded gravel, <5% cobbles, moist, stained dark brown, slight tar-like odor. 2-3 ft bgs :FILL: medium to fine grained sand, ~25% clinker, dry, stained dark brown, no odor.	E72AS	(1-2)
-2				0.7				
-3				0.5		3-5 ft bgs: SAA, ~15% clinker.		
-4								
-5	E72BS	(5-6)	30	0.5		5-9 ft bgs: FILL: medium to fine grained sand, ~15% silt, <5% fine subrounded gravel, <5% brick debris, moist, wet at 8 ft bgs, stained dark brown, slight burnt-like odor.	E72BS	(5-6)
-6								
-7	E72CS	(7-9)		0.8			E72CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E73		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: TBD		Easting: TBD		Page 1 of 1
Weather: 55F, sunny, breezy							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 4/9/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: TBD		Date Finished: 4/9/12		Water Level: ~8.5 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1" bgs: ASPHALT 1"-7" bgs: CONCRETE		
-1	E73AS	(1-2)		0.5		7"-2 ft bgs: FILL: medium to fine grained sand, ~25% silt, ~10% coarse to fine subrounded gravel, ~10% cobbles, dry, light brown, no odor.	E73AS	(1-2)
-2				0.9		2-3 ft bgs: SAA, moist, brown.		
-3				1.2		3-5 ft bgs: FILL: medium to fine grained sand, ~30% clinker, ~10% silt, dry, stained dark brown to black, no odor.		
-5	E73BS	(5-6)	36	0.9		5-9 ft bgs: SAA (3-4), ~15% clinker, moist, wet at 8.5 ft bgs, slight tar-like odor 8.5-9 ft bgs.	E73BS	(5-6)
-6								
-7	E73CS	(7-9)		6.3			E73CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E74		
					Project Number: 60136643 - 0140				
					Site Location: East Yard, Astoria facility				
					Northing: TBD		Easting: TBD		Page 1 of 1
Weather: 50F, sunny, breezy							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 4/9/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: TBD		Date Finished: 4/9/12		Water Level: ~6 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1.5" bgs: ASPHALT 1.5"-10" bgs: CONCRETE 10"-2 ft bgs: FILL: medium to fine grained sand, ~15% silt, ~10% coarse to fine subangular to subrounded gravel, ~10% cobbles, moist, light brown, no odor. 2-3 ft bgs: FILL: medium to fine grained sand, ~15% clinker, ~10% silt, ~10% fine subrounded gravel, moist, stained dark brown to black, no odor.		
-1	E74AS	(1-2)		0.4			E74AS	(1-2)
-2				0.5				
-3				0.4		3-3.5 ft bgs: SAA (10"-2) 3.5-5 ft bgs: SAA (2-3), ~40% clinker.		
-4								
-5	E74BS	(5-6)	36	0.8		5-6 ft bgs: SAA (2-3).	E74BS	(5-6)
-6					SM	6-8 ft bgs: SILTY SAND (SM): fine grained sand, ~40% silt, ~10% clay, soft, wet, grey, burnt-like odor.		
-7	E74CS +Dup	(7-9)		0.8		8-9 ft bgs: SILTY SAND (SM): fine grained sand, ~30% silt, <5% fine subrounded gravel, wet, light brown, slight burnt-like odor. END OF BORING 9 ft bgs	E74CS +Dup	(7-9)
-8								
-9								

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY			Boring ID: E75				
					Project Number: 60136643 - 0140							
					Site Location: East Yard, Astoria facility							
					Northing: TBD			Easting: TBD			Page 1 of 1	
Weather: 50F, sunny, breezy									Monitoring Well Installed: No			
Drilling Method: Truck mounted geoprobe						Boring Diameter: 2 1/8"			Screened Interval: _____			
Sample Type(s): Grab				Logged by: Jessica Ehlen			Date Started: 4/10/12			Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling				Ground Elevation: TBD			Date Finished: 4/10/12			Water Level: NA		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)				Lab Sample ID	Lab Sample Depth (ft)	

0			60	NA	FILL	0-2" bgs: ASPHALT 2"-10" bgs: CONCRETE 10"-2 ft bgs: FILL: medium to fine grained sand, ~10% silt, ~10% coarse to fine subrounded gravel, moist, stained brown to dark brown, no odor.		
-1	E75AS	(1-2)		0.4			E75AS	(1-2)
-2				0.8	SW	2-3 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~30% silt, ~15% fine subrounded gravel, moist, brown, no odor.		
-3				0.3		3-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~5% silt, ~5% fine subrounded gravel, moist, light brown, no odor.		
-4								
-5	E75BS	(5-6)	45	0.5		5-9 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse sand, ~5% fine subrounded gravel, moist, light brown, no odor.	E75BS	(5-6)
-6								
-7	E75CS +Dup	(7-9)		0.5			E75CS +Dup	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E76		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710745.11		Easting: 655773.78		Page 1 of 1
Weather: ~55F, foggy, some light rain, light wind.							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/10/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 23.28' NAVD 88		Date Finished: 12/10/12		Water Level: ~8 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1.5" bgs: ASPHALT 1.5"-9" bgs: CONCRETE 9"-2 ft bgs: FILL: medium to fine grained sand, ~25% coarse to fine subrounded gravel, <5% clinker, moist, stained black, no odor. 2-3 ft bgs: SAA.		
-1	E76AS	(1-2)		0.0			E76AS	
-2				0.0				
-3					SM	3-5 ft bgs: SILTY SAND (SM): fine grained sand and silt, <5% clay, <5% coarse to fine subrounded gravel, soft, moist, light brown, no odor, a ~5% cobbles from 3-3.5 ft bgs.		
-4	E76BS	(4-5)					E76BS	(4-5)
-5			26	0.0		5-8 ft bgs: SAA.		
-6								
-7	E76CS	(7-9)		0.0			E76CS	(7-9)
-8					SP	8-8.5 ft bgs: POORLY GRADED SAND (SP): fine grained sand, ~25% silt, ~20% coarse subangular gravel, wet, light brown, no odor.		
-9					SM	8.5-9 ft bgs: SILTY SAND (SM): fine grained sand and silt, <5% clay, <5% coarse to fine subrounded gravel, soft, moist, light brown, no odor. END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E77		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710700.2		Easting: 655888.11		Page 1 of 1
Weather: ~55F, foggy, some light rain, light wind / ~40F, mostly cloudy, breezy							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/10/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 24.22' NAVD 88		Date Finished: 12/11/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-0.08 ft bgs: ASPHALT 0.08-0.75 ft bgs: CONCRETE 0.75-2 ft bgs: FILL: medium to fine grained sand, ~10% coarse to fine subrounded gravel, <5% silt, moist, light brown, no odor.		
-1	E77AS + Dup	(1-2)		0.0			E77AS + Dup	(1-2)
-2				0.0		2-2'3" bgs: ASPHALT 2'3"-3 ft bgs: FILL: medium to fine grained sand, ~10% coarse to fine subrounded gravel, <5% silt, moist, stained black, no odor. 3-4 ft bgs: SAA, light brown.		
-4	E77BS	(4-5)				4-5 ft bgs: SAA, stained black.	E77BS	(4-5)
-5			36	1.1		5-8.5 ft bgs: FILL: medium to fine grained sand, ~30% clinker, moist, stained dark brown-black, no odor.		
-7	E77CS	(7-9)		0.8		8.5-9 ft bgs: FILL: fine grained sand matrix with coarse grained sand, <5% silt, friable, moist, red, no odor. END OF BORING 9 ft bgs	E77CS	(7-9)
-8								
-9								

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E78		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710562.67		Easting: 655609.53		Page 1 of 1
Weather: ~55F, mostly cloudy, light breeze / ~30F, sunny, light breeze								Monitoring Well Installed: No	
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/5/12		Depth of Boring: 8 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.89' NAVD 88		Date Finished: 12/6/12		Water Level: NA		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1.75" bgs: ASPHALT 1.75"-10" bgs: CONCRETE 10"-2 ft bgs: FILL: medium to fine grained sand and silt, ~30% coarse subangular gravel, <5% clinker, moist, dark brown, no odor.		
-1	E78AS	(1-2)		0.9			E78AS	(1-2)
-2				0.7	SP	2-5 ft bgs: POORLY GRADED SAND (SP): medium grained sand, ~20% fine grained sand, moist, light brown, no odor.		
-3								
-4	E78BS	(4-5)					E78BS	(4-5)
-5			30	0.0		5-7 ft bgs: SAA.		
-6								
-7	E78CS + Dup	(7-8)		0.1	SW	7-8 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand and coarse to fine subangular gravel, moist, light brown, no odor, refusal at 8 ft bgs, coarse gravel piece in sample shoe. END OF BORING 8 ft bgs	E78CS + Dup	(7-8)
-8								

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E79		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710511.66		Easting: 655596.36		Page 1 of 1
Weather: ~55F, cloudy, some light rain, light breeze / ~30F, sunny, light breeze								Monitoring Well Installed: No	
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/4/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 26.11' NAVD 88		Date Finished: 12/6/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1.75" bgs: ASPHALT 1.75"-10" bgs: CONCRETE 10"-2 ft bgs: FILL: medium to fine grained sand, ~10% fine subrounded gravel, moist, brown, no odor.		
-1	E79AS	(1-2)		0.0			E79AS	(1-2)
-2				0.0	SW	2-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, moist, light brown, no odor.		
-3								
-4	E79BS + ms/msd	(4-5)					E79BS + ms/msd	(4-5)
-5			38	0.7		5-9 ft bgs: SAA, <5% coarse grained sand.		
-6								
-7	E79CS	(7-9)		0.1			E79CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E80		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710388.59		Easting: 655730.45		Page 1 of 1
Weather: ~55F, cloudy, some light rain, light breeze / ~35F, mostly sunny, little to no wind							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/4/12		Depth of Boring: 17 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 26.02' NAVD 88		Date Finished: 12/13/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1.25" bgs: ASPHALT 1.25"-8.5" bgs: CONCRETE 8.5"-2 ft bgs: FILL: medium to fine grained sand, ~20% silt, ~10% subangular gravel, ~5% coarse grained sand, ~5% cobbles, moist, brown, slight tar-like odor. 2-3 ft bgs: SAA.		
-1	E80AS	(1-2)		9.1			E80AS	(1-2)
-2				0.0				
-3					SW	3-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, moist, light brown, no odor.		
-4	E80BS	(4-5)					E80BS	(4-5)
-5			12	0.2		5-9.5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse grained sand, ~10% coarse to fine subrounded gravel, moist, wet at 9 ft bgs, light brown, no odor.		
-6								
-7	E80CS	(7-9)					E80CS	(7-9)
-8								
-9			12	0.7				
-10	E80DS	(10-12)	48	0.5	ML	9.5-10 ft bgs: SANDY SILT (ML): silt, ~35% fine grained sand, ~10% coarse subangular gravel, <5% clay, stiff, wet, brown, no odor.	E80DS	(10-12)
-11					SM	10-14 ft bgs: SILTY SAND (SM): fine grained sand and silt, ~15% coarse to fine subrounded gravel, wet, orange-brown, no odor.		
-12				1.0				
-13								
-14			30	1.9	SW	14-17 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% silt, ~10% coarse to fine subrounded gravel, brown, little orange-brown, no odor.		
-15	E80ES	(15-17)		1.5			E80ES	(15-17)
-16						END OF BORING 17 ft bgs		
-17								

Notes:

This location was cleared to 5 ft bgs using a vactor truck. Location was drilled to 9 ft bgs on 12/6/12. On 12/12/12 tried to redrill location deeper but hit refusal at 6.5 ft bgs. Location was moved ~2 ft south west and precleared with vactor truck to 7 ft bgs, to get past obstruction. Second location was drilled to 17 ft bgs and sampled on 12/13/12 due to high pcb levels at 7-9' sample

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

- 6) SAA - Same As Above
- 7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E81		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710361.07		Easting: 655761.08		Page 1 of 1
Weather: ~55F, cloudy, some light rain, light breeze / ~30F, sunny, light breeze							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/4/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 26.15' NAVD 88		Date Finished: 12/6/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	SW	0-2.5" bgs: ASPHALT 2.5"-9.5" bgs: CONCRETE 9.5"-2 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~20% silt, ~10% fine rounded gravel, moist, brown, no odor.		
-1	E81AS	(1-2)		0.0			E81AS	(1-2)
-2				0.0		2-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, moist, light brown, no odor.		
-3								
-4	E81BS	(4-5)					E81BS	(4-5)
-5			48	0.0		5-7 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% fine rounded gravel, moist, light brown, no odor.		
-6								
-7	E81CS + ms/msd	(7-9)		0.0		7-9 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~15% fine rounded gravel, moist, light brown, no odor.	E81CS + ms/msd	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) ppm - parts per million

					Client: Con Edison, Astoria, NY		Boring ID: E82		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710431.46		Easting: 655794.79		Page 1 of 1
Weather: ~55F, mostly cloudy, light breeze / ~30F, sunny, light breeze							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/5/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.77' NAVD 88		Date Finished: 12/6/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1.75" bgs: ASPHALT 1.75"-8" bgs: CONCRETE		
-1	E82AS	(1-2)		3.9		8"-2 ft bgs: FILL: fine grained sand, ~20% medium grained sand, ~25% silt, ~10% coarse to fine subrounded gravel, moist, brown, no odor.	E82AS	(1-2)
-2				0.0	SW	2-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, <5% fine subrounded gravel, moist, light brown, no odor.		
-3								
-4	E82BS	(4-5)					E82BS	(4-5)
-5			48	0.0		5-9 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~5% coarse grained sand, ~5% coarse subangular gravel, moist, light brown, no odor.		
-6								
-7	E82CS	(7-9)		0.0			E82CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E83		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710575.46		Easting: 655639.75		Page 1 of 1
Weather: ~40F, breezy, mostly cloudy							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/11/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.59' NAVD 88		Date Finished: 12/11/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0					NA	FILL	0-2" bgs: ASPHALT 2"-1 ft bgs: CONCRETE		
-1	E83AS + ms/msd	(1-2)		41.7			1-2 ft bgs: FILL: medium to fine grained sand, ~10% fine subrounded gravel, ~5% cobbles, wet (perched water running into borehole from under concrete), brown, slight tar-like odor.	E83AS + ms/msd	(1-2)
-2				5.2			2-3 ft bgs: SAA.		
-3						SW	3-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~25% coarse grained sand, <5% fine subrounded gravel, moist, light brown, no odor.		
-4	E83BS	(4-5)						E83BS	(4-5)
-5				2.0			5-9 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse grained sand, moist, light brown, no odor.		
-6									
-7	E83CS	(7-9)		1.7				E83CS	(7-9)
-8									
-9							END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.
Soil from boring was drummed.
Location was backfilled with sand.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E84		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710455.74		Easting: 655592.27		Page 1 of 1
Weather: ~55F, cloudy, some light rain, light breeze / ~55F, mostly cloudy, light breeze							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/4/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 26.05' NAVD 88		Date Finished: 12/5/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-6" bgs: ASPHALT 6"-2 ft bgs: FILL: medium to fine grained sand, ~20% coarse grained sand, ~25% rounded cobbles, moist, light brown, no odor.		
-1	E84AS	(1-2)		2.3			E84AS	(1-2)
-2				5.9	SW	2-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% rounded cobbles, moist, light brown, no odor.		
-4	E84BS	(4-5)					E84BS	(4-5)
-5			48	0.0		5-9 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% rounded cobbles, moist, light brown, no odor.		
-7	E84CS	(7-9)		0.0			E84CS	(7-9)
-8						END OF BORING 9 ft bgs		
-9								

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E85		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710381.14		Easting: 655672.53		Page 1 of 1
Weather: ~55F, cloudy, some light rain, light breeze / ~55F, mostly cloudy, light breeze								Monitoring Well Installed: No	
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/4/12		Depth of Boring: 10 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 26.04' NAVD 88		Date Finished: 12/5/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-8.5" bgs: ASPHALT 8.5"-2 ft bgs: FILL: medium to fine grained sand, ~20% coarse rounded gravel, moist, light brown, no odor.		
-1	E85AS + Dup	(1-2)		0.0			E85AS + Dup	(1-2)
-2				0.4	SW	2-5 ft bgs: SAA, ~35% coarse rounded gravel from 2.5-3.5 ft bgs.		
-4	E85BS	(4-5)					E85BS	(4-5)
-5			54	0.0		5-9 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse to fine subrounded gravel, moist, light brown, no odor.		
-7	E85CS	(7-9)		0.0			E85CS	(7-9)
-9				0.0		9-10 ft bgs: SAA, wet, ~35% coarse to fine subrounded gravel. END OF BORING 10 ft bgs		
-10								

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E86		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710420.27		Easting: 655749.96		Page 1 of 1
Weather: ~55F, mostly cloudy, light breeze							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/5/12		Depth of Boring: 10 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.97' NAVD 88		Date Finished: 12/5/12		Water Level: ~5 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2.5": ASPHALT 2.5"-8.5" bgs: CONCRETE 8.5"-2 ft bgs: FILL: fine grained sand and silt, ~35% coarse to fine subrounded gravel, wet (perched water running into borehole from under concrete), gray-brown, slight tar-like sheen, moderate tar-like odor.		
-1	E86AS	(1-2)		5.1			E86AS	(1-2)
-2				3.6		2-4 ft bgs: SAA, <5% brick debris.		
-3								
-4	E86BS	(4-5)		2.9	SW	4-5 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, coarse to fine subrounded gravel, moist, light brown, no odor.	E86BS	(4-5)
-5			48	1.1		5-7.5 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, coarse to fine subrounded gravel, wet, light brown, no odor.		
-6								
-7	E86CS	(7-9)		4.5			E86CS	(7-9)
-8					ML	7.5-10 ft bgs: SANDY SILT (ML): silt, ~30% fine grained sand, ~10% fine subangular to subrounded gravel, stiff, wet, brown, no odor.		
-9				2.7				
-10						END OF BORING 10 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.
Soil from boring was drummed.
Location was backfilled with sand.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E87		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710383.33		Easting: 655787.41		Page 1 of 1
Weather: ~55F, cloudy, some light rain, light breeze / ~30F, sunny, light breeze							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/4/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 26.13' NAVD 88		Date Finished: 12/6/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1.75" bgs: ASPHALT 1.75"-8" bgs: CONCRETE		
-1	E87AS	(1-2)		10.2		8"-2 ft bgs: FILL: medium to fine grained sand, ~25% silt, ~15% coarse to fine subrounded gravel, moist, dark brown, slight tar-like odor.	E87AS	(1-2)
-2				1.2		2-5 ft bgs: FILL: fine grained sand, ~20% medium grained sand, <5% coarse grained sand, <5% cobbles, moist, brown, no odor.		
-4	E87BS	(4-5)					E87BS	(4-5)
-5			36	0.0		5-7.5 ft bgs: FILL: medium to fine grained sand, <10% silt, ~10% fine subangular gravel, <5% brick debris, moist, brown, no odor.		
-7	E87CS	(7-9)		0.4			E87CS	(7-9)
-8					SW	7.5-9 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~20% coarse subangular gravel, moist, wet at 9 ft bgs, brown, no odor.		
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E88		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710467.07		Easting: 655826.01		Page 1 of 1
Weather: ~55F, mostly cloudy, light breeze / ~30F, sunny, light breeze							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/5/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.60' NAVD 88		Date Finished: 12/6/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2" bgs: ASPHALT 2"-9" bgs: CONCRETE 9"-2 ft bgs: FILL: medium to fine grained sand, ~25% silt, ~10% subrounded coarse to fine gravel, dry, brown, no odor.		
-1	E88AS + Dup	(1-2)		0.3			E88AS + Dup	(1-2)
-2				0.8	SW	2-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse to fine subrounded gravel, ~5% large cobbles from 2-3 ft bgs.		
-3								
-4	E88BS	(4-5)					E88BS	(4-5)
-5			48	0.0		5-9 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse to fine subrounded gravel, moist, light brown, no odor.		
-6								
-7	E88CS	(7-9)		0.0			E88CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E89		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710496.51		Easting: 655795.16		Page 1 of 1
Weather: ~30F, sunny, light breeze / ~35F, mostly cloudy, light breeze							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/6/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.43' NAVD 88		Date Finished: 12/7/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1.5" bgs: ASPHALT 1.5"-8" bgs: CONCRETE 8"-2 ft bgs: FILL: medium to fine grained sand, ~20% silt, <5% coarse rounded gravel, <5% brick debris, dry, brown, slight tar-like odor.		
-1	E89AS	(1-2)		2.1			E89AS	(1-2)
-2				0.1	SW	2-3 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, <5% coarse grained sand, ~5% cobbles, moist, light brown, no odor. 3-5 ft bgs: SAA, no cobbles.		
-4	E89BS	(4-5)					E89BS	(4-5)
-5			48	0.0		5-9 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, <5% coarse grained sand, ~5% coarse gravel from 8-9 ft bgs, moist, wet at 9 ft bgs, light brown, no odor.		
-7	E89CS	(7-9)		0.0			E89CS	(7-9)
-8						END OF BORING 9 ft bgs		
-9								

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E90		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710582.44		Easting: 655702.21		Page 1 of 1
Weather: ~30F, sunny, light breeze / ~35F, mostly cloudy, light breeze							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/6/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.36' NAVD 88		Date Finished: 12/7/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1.5" bgs: ASPHALT 1.5"-9" bgs: CONCRETE 9"-2 ft bgs: FILL: medium to fine grained sand and silt, ~20% coarse to fine subrounded gravel, moist, brown, no odor.		
-1	E90AS	(1-2)		0.1			E90AS	(1-2)
-2				0.1	SW	2-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~20% coarse grained sand, ~10% coarse to fine subrounded gravel, ~5% cobbles >12 inches in diameter, moist, light brown, no odor.		
-3								
-4	E90BS	(4-5)					E90BS	(4-5)
-5			48	0.0		5-9 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~20% coarse grained sand, <5% fine subrounded gravel, moist, light brown, no odor.		
-6								
-7	E90CS	(7-9)		0.0			E90CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E91		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710748.94		Easting: 655889.72		Page 1 of 1
Weather: ~55F, foggy, some light rain, light wind / ~40F, mostly cloudy, breezy							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/10/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 23.76' NAVD 88		Date Finished: 12/11/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1" bgs: ASPHALT 1"-10.5" bgs: CONCRETE 10.5"-2 ft bgs: FILL: fine grained sand and silt, <10% coarse to fine subrounded gravel, moist, light brown, no odor.		
-1	E91AS	(1-2)		0.0			E91AS	(1-2)
-2				0.0		2-4 ft bgs: SAA.		
-3								
-4	E91BS	(4-5)				4-5 ft bgs: FILL: clinker, ~30% fine grained sand, ~20% wood debris, moist, dark brown, no odor.	E91BS	(4-5)
-5			30	0.6		5-7 ft bgs: FILL: wood debris, ~20% fine grained sand and silt, moist, dark brown, no odor.		
-6								
-7	E91CS	(7-9)		1.3		7-9 ft bgs: FILL: ~50% fine grained sand, ~40% clinker, ~10% silt, moist, dark brown, no odor, cement piece in shoe of sampler.	E91CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E92		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710478.24		Easting: 656080.01		Page 1 of 1
Weather: ~30F, sunny, light breeze / ~35F, mostly cloudy, light breeze							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/6/12		Depth of Boring: 8.5 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 24.28' NAVD 88		Date Finished: 12/7/12		Water Level: NA		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2" bgs: ASPHALT 2"-1 ft bgs: CONCRETE 1-2 ft bgs: FILL: medium to fine grained sand and silt, ~15% coarse to fine subrounded gravel, moist, brown, no odor.		
-1	E92AS	(1-2)		0.1			E92AS	(1-2)
-2				0.1		2-5 ft bgs: SAA, ~5% cobbles from 2-3 ft bgs.		
-3								
-4	E92BS + Dup	(4-5)					E92BS + Dup	(4-5)
-5			30	1.0		5-8.5 ft bgs: FILL: medium to fine grained sand and silt, ~15% coarse to fine subrounded gravel, <5% brick debris, <5% clinker (8-8.2 ft bgs), moist, brown, no odor.		
-6								
-7	E92CS	(7-9)		0.7			E92CS	(7-9)
-8						END OF BORING 8.5 ft bgs due to refusal		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E93		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710300.37		Easting: 655761.41		Page 1 of 1
Weather: ~40F, mostly cloudy, breezy / ~45F, partly cloudy, little to no wind							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/11/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.83' NAVD 88		Date Finished: 12/12/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-11" bgs: ASPHALT 11"-2 ft bgs: FILL: fine grained sand, ~20% medium grained sand, ~20% coarse to fine subrounded gravel, dry, light brown, no odor.		
-1	E93AS	(1-2)		2.5			E93AS	(1-2)
-2				1.7	SW	2-5 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~10% coarse to fine subrounded gravel, dry, light brown, no odor.		
-4	E93BS	(4-5)					E93BS	(4-5)
-5			48	0.8		5-9 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~10% coarse to fine subrounded gravel, moist, brown, no odor.		
-7	E93CS	(7-9)		0.7			E93CS	(7-9)
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E94		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710315.11		Easting: 655813.09		Page 1 of 1
Weather: ~45F, partly cloudy, little to no wind							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/12/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 26.20' NAVD 88		Date Finished: 12/12/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	SM	0-1.5" bgs: ASPHALT 1.5"-7" bgs: CONCRETE 7"-2 ft bgs: SILTY SAND (SM): medium to fine grained sand and silt, ~20% coarse to fine subrounded gravel, ~5% cobbles, moist, brown, no odor.		
-1	E94AS	(1-2)		2.6			E94AS	(1-2)
-2				8.6	SW	2-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~20% silt, ~10% coarse grained sand, ~10% coarse to fine subrounded gravel, ~5% cobbles throughout, moist, light brown, no odor.		
-4	E94BS	(4-5)					E94BS	(4-5)
-5			30	0.7		5-9 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~5% silt, ~5% coarse grained sand, ~5% coarse subrounded gravel, moist, light brown, no odor.		
-7	E94CS	(7-9)		0.5			E94CS	(7-9)
-8						END OF BORING 9 ft bgs		
-9								

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E95		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: 710386.72		Easting: 655842.37		Page 1 of 1
Weather: ~40F, mostly cloudy, breezy / ~45F, partly cloudy, little to no wind							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 12/11/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation: 25.86' NAVD 88		Date Finished: 12/12/12		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2" bgs: ASPHALT 2"-8.5" bgs: CONCRETE		
-1	E95AS	(1-2)		2.9		8.5"-2 ft bgs: FILL: medium to fine grained sand, ~25% coarse to fine subrounded gravel, one cobble >2 feet in diameter at 1.5' bgs, dry, brown, no odor.	E95AS	(1-2)
-2				0.5	SW	2-5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~25% coarse to fine subrounded gravel, ~5% large cobbles, moist, brown, no odor.		
-4	E95BS	(4-5)					E95BS	(4-5)
-5			48	0.4		5-9 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse to fine subrounded gravel, ~25% coarse grained sand from 8-8.5 ft bgs, moist, light brown, no odor.		
-7	E95CS	(7-9)		0.4			E95CS	(7-9)
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

	Client: Con Edison, Astoria, NY			Boring ID: E96				
	Project Number: 60278091-2							
	Site Location: East Yard, Astoria facility							
	Northing: 710399.53		Easting: 655896.02		Page 1 of 1			
Weather: ~45F, partly cloudy, little to no wind					Monitoring Well Installed: No			
Drilling Method: Truck mounted geoprobe				Boring Diameter: 2 1/8"	Screened Interval: _____			
Sample Type(s): Grab		Logged by: Jessica Ehlen		Date Started: 12/12/12	Depth of Boring: 9 ft bgs			
Drilling Contractor: NYEG Drilling		Ground Elevation: 25.60' NAVD 88		Date Finished: 12/12/12	Water Level: ~9 ft bgs			
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)	Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-1" bgs: ASPHALT 1"-7" bgs: CONCRETE		
-1	E96AS	(1-2)		0.3		7"-2 ft bgs: FILL: medium to fine grained sand, ~20% silt, ~20% coarse to fine subrounded gravel, ~5% cobbles and bricks, <5% clinker, wet, brown, no odor.	E96AS	(1-2)
-2				0.9	SP	2-5 ft bgs: POORLY GRADED SAND (SP): fine grained sand, ~25% medium grained sand, ~10% fine subrounded gravel, dry, brown, no odor.		
-3								
-4	E96BS	(4-5)					E96BS	(4-5)
-5			48	2.1		5-9 ft bgs: SAA, moist.		
-6								
-7	E96CS	(7-9)		2.1			E96CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E97		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: TBD		Easting: TBD		Page 1 of 1
Weather: ~35F, cloudy, light breeze, forecast for snow showers							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 1/21/12		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation:TBD		Date Finished:1/21/13		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2" bgs: ASPHALT 2"-8" bgs: CONCRETE 8"-2' bgs: FILL: fine grained sand, ~20% medium grained sand, ~5% silt, ~15% coarse subangular gravel, ~5% cobbles, <5% coarse grained sand, moist, stained dark brown - black, no odor.		
-1	E97AS+ dup	(1-2)		0.1			E97AS+ dup	(1-2)
-2				0.0		2'-2.5' bgs: SAA, light brown (no staining). 2.5'-3' bgs: SAA, stained dark brown - black.		
-3					SP	3'-5' bgs: POORLY GRADED SAND (SP): medium to fine grained sand, <5% coarse grained sand, moist, light brown, no odor.		
-4	E97BS	(4-5)					E97BS	(4-5)
-5			30	0.6	SW	5'-9' bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~25% coarse grained sand, moist, light brown, no odor.		
-6								
-7	E97CS+ ms/msd	(7-9)		0.3			E97CS+ ms/msd	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E98		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: TBD		Easting: TBD		Page 1 of 1
Weather: ~23F feels like 15F, partly cloudy, light breeze.							Monitoring Well Installed: No		
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 1/22/13		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation:TBD		Date Finished:1/22/13		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2" bgs: ASPHALT 2"-10.5" bgs: CONCRETE 10.5"-2' bgs: FILL: ~50% cobbles from 6"-2 ft in diameter, ~30% fine grained sand, ~10% medium grained sand, ~5% coarse grained sand, ~5% silt, moist, light brown, no odor.		
-1	E98AS	(1-2)		0.2		2'-3' bgs: SAA, ~25% cobbles, dark brown staining.	E98AS	(1-2)
-2				0.5				
-3					SW	3'-5' bgs: WELL GRADED SAND (SW): fine to medium grained sand, ~25% coarse grained sand, <5% fine to coarse subrounded gravel, moist, light brown, no odor.		
-4	E98BS	(4-5)					E98BS	(4-5)
-5			48	1.0		5'-9' bgs: WELL GRADED SAND (SW): fine to medium grained sand, ~20% coarse grained sand, ~10% coarse subrounded gravel, ~5% silt, moist, wet at 9 ft bgs, light brown, no odor.		
-6								
-7	E98CS	(7-9)		0.9			E98CS	(7-9)
-8								
-9						END OF BORING 9 ft bgs		

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

					Client: Con Edison, Astoria, NY		Boring ID: E99		
					Project Number: 60278091-2				
					Site Location: East Yard, Astoria facility				
					Northing: TBD		Easting: TBD		Page 1 of 1
Weather: 23F, feels like 15F, partly cloudy, light breeze/15F, feels like 0F, partly cloudy, light breeze.Monitoring Well Installed: No									
Drilling Method: Truck mounted geoprobe					Boring Diameter: 2 1/8"		Screened Interval: _____		
Sample Type(s): Grab			Logged by: Jessica Ehlen		Date Started: 1/22/2013		Depth of Boring: 9 ft bgs		
Drilling Contractor: NYEG Drilling			Ground Elevation:TBD		Date Finished:1/25/2013		Water Level: ~9 ft bgs		
Depth (ft)	Geologic Sample ID	Sample Depth (ft)	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture, content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)		Lab Sample ID	Lab Sample Depth (ft)

0			60	NA	FILL	0-2" bgs: ASPHALT 2"-9" bgs: CONCRETE		
-1	E99AS	(1-2)		0.3		9"-2 ft bgs: FILL: fine grained sand, ~20% medium grained sand, ~30% silt, ~20% subrounded cobbles, moist, light brown, no odor.	E99AS	(1-2)
-2				6.3	SP	2-5 ft bgs: POORLY GRADED SAND (SP): fine grained sand and silt, ~10% fine subrounded gravel, 6 inch diameter piece of clinker at 3 ft bgs, moist, light brown-light gray, slight tar-like odor.		
-4	E99BS	(4-5)					E99BS	(4-5)
-5			12	NA		5-7 ft bgs: SAA, rock in sample shoe, no odor.		
-7	E99CS	(7-9)	3	0.1	SW	7-9 ft bgs: WELL GRADED SAND (SW): fine to coarse grained sand, silt, ~10% fine to coarse subangular gravel, brown, moist, no odor, low recovery due to rock in sample shoe, large cobbles ~2 ft in diameter on Northside of borehole at 7 ft bgs. END OF BORING 9 ft bgs	E99CS	(7-9)
-9								

Notes:

This location was cleared to 5 ft bgs using a vactor truck.

Definitions:

1) NA - Not Applicable	6) SAA - Same As Above
2) ft - feet	7) ppm - parts per million
3) bgs - below ground surface	
4) U.S.C.S. - Unified Soil Classification System	
5) NAVD 88 - North American Vertical Datum of 1988	

Appendix C

Supporting Data from RFI Report

Table 4.1-1
Summary of Soil Analytical Data
East Yard SWMU
Con Edison, Astoria, NY

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E01 E01AD (Dup) 5/17/1994 (0.75'-1')	E01 E01AS 5/17/1994 (0.75'-1')	E01 E01BS 5/17/1994 (1'-3')	E01 E01CS 5/17/1994 (9'-11')	E02 E02AS 5/18/1994 (0.9'-1.5')	E02 E02BS 5/18/1994 (1.5'-3.5')	E02 E02CS 5/18/1994 (7.5'-9.5')	E03 E03AS 5/18/1994 (1.5'-2')	E03 E03BS 5/19/1994 (4'-6')
			FD N	N N	N N	N N	N N	N N	N N	N N	N N
VOC											
1,1,1-TRICHLOROETHANE	71-55-6	1000	<0.011U	<0.012U	<0.011U	<0.012U	0.001J	<0.011U	<0.01U	<0.01U	<0.011U
1,1,2,2-TETRACHLOROETHANE	79-34-5	NA	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01UJ	<0.011UJ
1,1,2-TRICHLOROETHANE	79-00-5	NA	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
1,1-DICHLOROETHANE	75-34-3	480	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
1,1-DICHLOROETHENE	75-35-4	1000	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
1,2-DIBROMOETHANE	106-93-4	NA									
1,2-DICHLOROETHANE	107-06-2	60	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
1,2-DICHLOROETHENE (TOTAL)	540-59-0	NA	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
1,2-DICHLOROPROPANE	78-87-5	NA	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
2-BUTANONE	78-93-3	1000	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
2-HEXANONE	591-78-6	NA	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01UJ	<0.011UJ
4-METHYL-2-PENTANONE (MIBK)	108-10-1	NA	<0.011U	0.003J	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01UJ	<0.011UJ
ACETONE	67-64-1	1000	<0.011U	<0.012U	0.046	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	0.09J
BENZENE	71-43-2	89	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
BROMODICHLOROMETHANE	75-27-4	NA	0.001J	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
BROMOFORM	75-25-2	NA	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
BROMOMETHANE	74-83-9	NA	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
CARBON DISULFIDE	75-15-0	NA	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	0.001J	<0.011U
CARBON TETRACHLORIDE	56-23-5	44	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
CHLOROBENZENE	108-90-7	1000	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01UJ	<0.011UJ
CHLORODIBROMOMETHANE	124-48-1	NA	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
CHLOROETHANE	75-00-3	NA	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
CHLOROFORM	67-66-3	700	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
CHLOROMETHANE (METHYL CHLORIDE)	74-87-3	NA	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
CIS-1,2-DICHLOROETHENE	156-59-2	1000									
CIS-1,3-DICHLOROPROPENE	10061-01-5	NA	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
DICHLOROMETHANE	75-09-2	1000	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	0.26J
ETHYLBENZENE	100-41-4	780	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01UJ	<0.011UJ
m,p-Xylenes	136777-61-2	NA									
METHYL TERT-BUTYL ETHER	1634-04-4	1000									
STYRENE	100-42-5	NA	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01UJ	<0.011UJ
TETRACHLOROETHENE	127-18-4	300	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01UJ	<0.011UJ
TOLUENE	108-88-3	1000	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01UJ	<0.011UJ
TRANS-1,2-DICHLOROETHENE	156-60-5	1000									
TRANS-1,3-DICHLOROPROPENE	10061-02-6	NA	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
TRICHLOROETHENE	79-01-6	400	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
VINYL CHLORIDE	75-01-4	27	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01U	<0.011U
XYLENE, O-	95-47-6	NA									
XYLENES (TOTAL)	1330-20-7	1000	<0.011U	<0.012U	<0.011U	<0.012U	<0.011U	<0.011U	<0.01U	<0.01UJ	<0.011UJ
SVOC											
1,2,4-TRICHLOROBENZENE	120-82-1	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U

Table 4.1-1
Summary of Soil Analytical Data
East Yard SWMU
Con Edison, Astoria, NY

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E01 E01AD (Dup) 5/17/1994 (0.75'-1')	E01 E01AS 5/17/1994 (0.75'-1')	E01 E01BS 5/17/1994 (1'-3')	E01 E01CS 5/17/1994 (9'-11')	E02 E02AS 5/18/1994 (0.9'-1.5')	E02 E02BS 5/18/1994 (1.5'-3.5')	E02 E02CS 5/18/1994 (7.5'-9.5')	E03 E03AS 5/18/1994 (1.5'-2')	E03 E03BS 5/19/1994 (4'-6')
			FD N	N N	N N	N N	N N	N N	N N	N N	N N
1,2-DICHLOROBENZENE	95-50-1	1000	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
1,3-DICHLOROBENZENE	541-73-1	560	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
1,4-DICHLOROBENZENE	106-46-7	250	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
2,2-OXYBIS(1-CHLOROPROPANE)	108-60-1	NA	<3.8U	<7.8U	<0.73UJ	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9UJ	<7.3U
2,4,5-TRICHLOROPHENOL	95-95-4	NA	<9.2UJ	<19U	<1.8U	<0.96U	<1.7UJ	<0.9UJ	<0.83U	<17U	<18U
2,4,6-TRICHLOROPHENOL	88-06-2	NA	<3.8UJ	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37UJ	<0.34U	<6.9U	<7.3U
2,4-DICHLOROPHENOL	120-83-2	NA	<3.8UJ	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37UJ	<0.34U	<6.9U	<7.3U
2,4-DIMETHYLPHENOL	105-67-9	NA	<3.8UJ	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37UJ	<0.34U	<6.9U	<7.3U
2,4-DINITROPHENOL	51-28-5	NA	<9.2UJ	<19U	<1.8UJ	<0.96UJ	<1.7UJ	<0.9UJ	<0.83UJ	<17UJ	<18U
2,4-DINITROTOLUENE	121-14-2	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
2,6-DINITROTOLUENE	606-20-2	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
2-CHLORONAPHTHALENE	91-58-7	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
2-CHLOROPHENOL	95-57-8	NA	<3.8UJ	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37UJ	<0.34U	<6.9U	<7.3U
2-METHYLPHENOL	95-48-7	1000	<3.8UJ	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37UJ	<0.34U	<6.9U	<7.3U
2-NITROANILINE	88-74-4	NA	<9.2UJ	<19U	<1.8U	<0.96U	<1.7UJ	<0.9U	<0.83U	<17U	<18U
2-NITROPHENOL	88-75-5	NA	<3.8UJ	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37UJ	<0.34U	<6.9U	<7.3U
3,3-DICHLOROBENZIDINE	91-94-1	NA	<3.8UJ	<7.8UJ	<0.73UJ	<0.4UJ	<0.71UJ	<0.37U	<0.34UJ	<6.9UJ	<7.3U
3-NITROANILINE	99-09-2	NA	<9.2U	<19UJ	<1.8UJ	<0.96UJ	<1.7UJ	R	<0.83UJ	<17UJ	R
4,6-DINITRO-2-METHYLPHENOL	534-52-1	NA	<9.2UJ	<19U	<1.8U	<0.96U	<1.7UJ	<0.9UJ	<0.83U	<17U	<18U
4-BROMOPHENYL PHENYL ETHER	101-55-3	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	<3.8UJ	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37UJ	<0.34U	<6.9U	<7.3U
4-CHLOROANILINE	106-47-8	NA	<3.8U	<7.8UJ	<0.73UJ	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9UJ	<7.3UJ
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
4-METHYLPHENOL (P-CRESOL)	106-44-5	1000	<3.8UJ	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37UJ	<0.34U	<6.9U	<7.3U
4-NITROANILINE	100-01-6	NA	<9.2U	<19U	<1.8U	<0.96U	<1.7UJ	<0.9U	<0.83U	<17U	<18U
4-NITROPHENOL	100-02-7	NA	<9.2UJ	<19U	<1.8UJ	<0.96U	<1.7UJ	<0.9UJ	<0.83U	<17UJ	<18U
BIS(2-CHLOROETHOXY)METHANE	111-91-1	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
BIS(2-CHLOROETHYL) ETHER	111-44-4	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	0.67J	<7.3U
BUTYLBENZYLPHTHALATE	85-68-7	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
CARBAZOLE	86-74-8	NA	<3.8UJ	<7.8U	<0.73UJ	<0.4UJ	<0.71UJ	<0.37UJ	<0.34UJ	<6.9UJ	12J
DIBENZOFURAN	132-64-9	1000	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	0.98J
DIETHYL PHTHALATE	84-66-2	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
DIMETHYLPHTHALATE	131-11-3	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
DI-N-BUTYL PHTHALATE	84-74-2	NA	<3.8U	<7.8U	0.11J	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
DI-N-OCTYL PHTHALATE	117-84-0	NA	<3.8U	<7.8UJ	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
HEXACHLORO-1,3-BUTADIENE	87-68-3	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
HEXACHLOROBENZENE	118-74-1	12	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
HEXACHLOROCYCLOPENTADIENE	77-47-4	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
HEXACHLOROETHANE	67-72-1	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
ISOPHORONE	78-59-1	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
NITROBENZENE	98-95-3	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U

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East Yard SWMU
Con Edison, Astoria, NY

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E01 E01AD (Dup) 5/17/1994 (0.75'-1')	E01 E01AS 5/17/1994 (0.75'-1')	E01 E01BS 5/17/1994 (1'-3')	E01 E01CS 5/17/1994 (9'-11')	E02 E02AS 5/18/1994 (0.9'-1.5')	E02 E02BS 5/18/1994 (1.5'-3.5')	E02 E02CS 5/18/1994 (7.5'-9.5')	E03 E03AS 5/18/1994 (1.5'-2')	E03 E03BS 5/19/1994 (4'-6')
			FD N	N N	N N	N N	N N	N N	N N	N N	N N
N-NITROSODI-N-PROPYLAMINE	621-64-7	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
N-NITROSODIPHENYLAMINE	86-30-6	NA	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
PENTACHLOROPHENOL	87-86-5	55	<9.2UJ	<19U	<1.8U	<0.96U	<1.7UJ	<0.9U	<0.83U	<17U	<18U
PHENOL	108-95-2	1000	<3.8UJ	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37UJ	<0.34U	<6.9U	<7.3U
CPAH											
BENZO(A)ANTHRACENE	56-55-3	11	1.3J	1.7J	0.76	<0.4U	3J	0.36J	<0.34U	<6.9U	11
BENZO(A)PYRENE	50-32-8	1.1	1.5J	1.5J	0.67J	<0.4U	2.7J	0.3J	<0.34U	0.94J	13
BENZO(B)FLUORANTHENE	205-99-2	11	1.1J	1.1J	0.63J	<0.4U	1.9J	0.31J	<0.34U	1J	9.5
BENZO(K)FLUORANTHENE	207-08-9	110	1.1J	1.2J	0.61J	<0.4U	2.2J	0.32J	<0.34U	<6.9U	9.1
CHRYSENE	218-01-9	110	1.9J	2.1J	0.92	<0.4U	3.3J	0.46	<0.34U	0.85J	11
DIBENZ(A,H)ANTHRACENE	53-70-3	1.1	0.42J	<7.8U	<0.73U	<0.4U	0.54J	0.11J	<0.34U	<6.9U	3.2J
INDENO(1,2,3-CD)PYRENE	193-39-5	11	1.1J	0.93J	0.41J	<0.4U	1J	0.27J	<0.34U	0.66J	8.4
Non-CPAH											
2-METHYLNAPHTHALENE	91-57-6	NA	<3.8U	<7.8U	<0.73U	<0.4U	0.17J	<0.37U	<0.34U	<6.9U	<7.3U
ACENAPHTHENE	83-32-9	1000	<3.8U	<7.8U	<0.73U	<0.4U	<0.71UJ	<0.37U	<0.34U	<6.9U	<7.3U
ACENAPHTHYLENE	208-96-8	1000	0.39J	<7.8U	0.31J	<0.4U	1.6J	0.1J	<0.34U	<6.9U	2.3J
ANTHRACENE	120-12-7	1000	<3.8U	<7.8U	0.26J	<0.4U	0.9J	0.094J	<0.34U	<6.9U	4.2J
BENZO(G,H,I)PERYLENE	191-24-2	1000	1.5J	0.91J	<0.73U	0.039J	1J	0.34J	<0.34U	<6.9U	9.1
FLUORANTHENE	206-44-0	1000	1.6J	2J	0.97	<0.4U	2.8J	0.52	<0.34U	<6.9U	20
FLUORENE	86-73-7	1000	<3.8U	<7.8U	0.17J	<0.4U	0.099J	0.037J	<0.34U	<6.9U	1.3J
NAPHTHALENE	91-20-3	1000	<3.8U	<7.8U	0.082J	<0.4U	<0.71UJ	0.038J	<0.34U	<6.9U	0.82J
PHENANTHRENE	85-01-8	1000	1.3J	1.5J	0.47J	<0.4U	1.1J	0.35J	<0.34U	<6.9U	14
PYRENE	129-00-0	1000	2.8J	3.4J	1.5	<0.4U	5.3J	0.71	<0.34U	1.2J	19
PCB											
AROCOLOR 1016	12674-11-2	NA	<15.17U	<15.47U	<0.725U	<0.0397U	<0.354U	<0.074U	<0.0345U	<27.63U	<1.823U
AROCOLOR 1221	11104-28-2	NA	<30.8U	<31.41U	<1.472U	<0.0806U	<0.718U	<0.147U	<0.07U	<56.09U	<3.702U
AROCOLOR 1232	11141-16-5	NA	<15.17U	<15.47U	<0.725U	<0.0397U	<0.354U	<0.074U	<0.0345U	<27.63U	<1.823U
AROCOLOR 1242	53469-21-9	NA	<15.17U	<15.47U	<0.725U	<0.0397U	<0.354U	<0.074U	<0.0345U	<27.63U	<1.823U
AROCOLOR 1248	12672-29-6	NA	<15.17U	<15.47U	<0.725U	<0.0397U	<0.354U	<0.074U	<0.0345U	<27.63U	<1.823U
AROCOLOR 1254	11097-69-1	NA	<15.17U	<15.47U	<0.725U	<0.0397U	<0.354U	<0.074U	<0.0345U	<27.63U	<1.823U
AROCOLOR 1260	11096-82-5	NA	49.78	49.69	10.48	<0.0397U	2.122	0.282	0.621	53.58	6.132
TOTAL PCBs	1336-36-3	25	49.78	49.69	10.48	0	2.122	0.282	0.621	53.58	6.132
METALS											
ALUMINUM (FUME OR DUST)	7429-90-5	NA									
ANTIMONY	7440-36-0	NA									
ARSENIC	7440-38-2	16									
BARIUM	7440-39-3	10000									
BERYLLIUM	7440-41-7	2700									
CADMIUM	7440-43-9	60									
CALCIUM METAL	7440-70-2	NA									
CHROMIUM (TOTAL)	7440-47-3	NA	10.9J	7J	13.8J	24.1J	8.1J	11.4J	29.6J	<0.83UJ	2.1J
COBALT	7440-48-4	NA									

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			FD N	N N	N N	N N	N N	N N	N N	N N	N N
COPPER	7440-50-8	10000									
IRON	7439-89-6	NA									
LEAD	7439-92-1	3900	40.3	35.9	42.7	8	34.7	37.9	<1.8U	637	63.7
MAGNESIUM	7439-95-4	NA									
MANGANESE	7439-96-5	10000									
MERCURY	7439-97-6	5.7	<0.1U	0.44	0.09	<0.1U	0.16	<0.08U	<0.1U	0.14	0.14
NICKEL	7440-02-0	10000									
POTASSIUM	7440-09-7	NA									
SELENIUM	7782-49-2	6800									
SILVER	7440-22-4	6800									
SODIUM	7440-23-5	NA									
THALLIUM	7440-28-0	NA									
VANADIUM	7440-62-2	NA									
ZINC	7440-66-6	10000									
CHEMISTRY											
SOLIDS, PERCENT	SOLID	NA									
TOTAL SOLIDS	TSOLIDS	NA									

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Summary of Soil Analytical Data
East Yard SWMU
Con Edison, Astoria, NY**

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E03 E03CS 5/19/1994 (8'-10')	E04 E04AS 8/1/1995 (0.83'-2.83')	E05 E05AD(Dup) 8/1/1995 (0.83'-2.83')	E05 E05AS 8/1/1995 (0.83'-2.83')	E05A E05AAS 6/1/2005 (1'-2') R2526426	E05A E05ACS 6/1/2005 (5'-6') R2526426	E07 E07AS 8/1/1995 (0.83'-2.83')	E08 E08AS 8/1/1995 (0.83'-2.83')	E09 E09AS 7/31/1995 (0.83'-2.83')
			N N	N N	FD N	N N	N N	N N	N N	N N	N N
VOC											
1,1,1-TRICHLOROETHANE	71-55-6	1000	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
1,1,2,2-TETRACHLOROETHANE	79-34-5	NA	<0.012UJ	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
1,1,2-TRICHLOROETHANE	79-00-5	NA	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
1,1-DICHLOROETHANE	75-34-3	480	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
1,1-DICHLOROETHENE	75-35-4	1000	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
1,2-DIBROMOETHANE	106-93-4	NA									
1,2-DICHLOROETHANE	107-06-2	60	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
1,2-DICHLOROETHENE (TOTAL)	540-59-0	NA	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
1,2-DICHLOROPROPANE	78-87-5	NA	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
2-BUTANONE	78-93-3	1000	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.013U	<0.011U
2-HEXANONE	591-78-6	NA	<0.012UJ	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
4-METHYL-2-PENTANONE (MIBK)	108-10-1	NA	<0.012UJ	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
ACETONE	67-64-1	1000	0.064J	0.007J	0.097J	0.091J			0.005J	0.068J	<0.011U
BENZENE	71-43-2	89	<0.012U	<0.011U	0.041J	0.056			<0.011U	<0.011U	<0.011U
BROMODICHLOROMETHANE	75-27-4	NA	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
BROMOFORM	75-25-2	NA	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
BROMOMETHANE	74-83-9	NA	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
CARBON DISULFIDE	75-15-0	NA	0.001J	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
CARBON TETRACHLORIDE	56-23-5	44	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
CHLOROBENZENE	108-90-7	1000	<0.012UJ	<0.011U	0.25	0.33			<0.011U	<0.011U	<0.011U
CHLORODIBROMOMETHANE	124-48-1	NA	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
CHLOROETHANE	75-00-3	NA	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
CHLOROFORM	67-66-3	700	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
CHLOROMETHANE (METHYL CHLORIDE)	74-87-3	NA	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
CIS-1,2-DICHLOROETHENE	156-59-2	1000									
CIS-1,3-DICHLOROPROPENE	10061-01-5	NA	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
DICHLOROMETHANE	75-09-2	1000	0.25J	<0.011U	<0.054U	<0.053U			0.012	0.013	0.015
ETHYLBENZENE	100-41-4	780	<0.012UJ	<0.011U	0.016J	0.023J			<0.011U	<0.011U	<0.011U
m,p-Xylenes	136777-61-2	NA									
METHYL TERT-BUTYL ETHER	1634-04-4	1000									
STYRENE	100-42-5	NA	<0.012UJ	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
TETRACHLOROETHENE	127-18-4	300	<0.012UJ	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
TOLUENE	108-88-3	1000	0.001J	<0.011U	0.022J	0.027J			<0.011U	<0.011U	<0.011U
TRANS-1,2-DICHLOROETHENE	156-60-5	1000									
TRANS-1,3-DICHLOROPROPENE	10061-02-6	NA	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
TRICHLOROETHENE	79-01-6	400	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
VINYL CHLORIDE	75-01-4	27	<0.012U	<0.011U	<0.054U	<0.053U			<0.011U	<0.011U	<0.011U
XYLENE, O-	95-47-6	NA									
XYLENES (TOTAL)	1330-20-7	1000	<0.012UJ	<0.011U	0.07	0.095			<0.011U	<0.011U	<0.011U
SVOC											
1,2,4-TRICHLOROBENZENE	120-82-1	NA	<2.1U								

**Table 4.1-1
Summary of Soil Analytical Data
East Yard SWMU
Con Edison, Astoria, NY**

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E03 E03CS 5/19/1994 (8'-10') N N	E04 E04AS 8/1/1995 (0.83'-2.83') N N	E05 E05AD(Dup) 8/1/1995 (0.83'-2.83') FD N	E05 E05AS 8/1/1995 (0.83'-2.83') N N	E05A E05AAS 6/1/2005 (1'-2') R2526426 N N	E05A E05ACS 6/1/2005 (5'-6') R2526426 N N	E07 E07AS 8/1/1995 (0.83'-2.83') N N	E08 E08AS 8/1/1995 (0.83'-2.83') N N	E09 E09AS 7/31/1995 (0.83'-2.83') N N
1,2-DICHLOROBENZENE	95-50-1	1000	<2.1U								
1,3-DICHLOROBENZENE	541-73-1	560	<2.1U								
1,4-DICHLOROBENZENE	106-46-7	250	<2.1U								
2,2-OXYBIS(1-CHLOROPROPANE)	108-60-1	NA	<2.1U								
2,4,5-TRICHLOROPHENOL	95-95-4	NA	<5U								
2,4,6-TRICHLOROPHENOL	88-06-2	NA	<2.1U								
2,4-DICHLOROPHENOL	120-83-2	NA	<2.1U								
2,4-DIMETHYLPHENOL	105-67-9	NA	<2.1U								
2,4-DINITROPHENOL	51-28-5	NA	<5U								
2,4-DINITROTOLUENE	121-14-2	NA	<2.1U								
2,6-DINITROTOLUENE	606-20-2	NA	<2.1U								
2-CHLORONAPHTHALENE	91-58-7	NA	<2.1U								
2-CHLOROPHENOL	95-57-8	NA	<2.1U								
2-METHYLPHENOL	95-48-7	1000	<2.1U								
2-NITROANILINE	88-74-4	NA	<5U								
2-NITROPHENOL	88-75-5	NA	<2.1U								
3,3-DICHLOROBENZIDINE	91-94-1	NA	<2.1U								
3-NITROANILINE	99-09-2	NA	R								
4,6-DINITRO-2-METHYLPHENOL	534-52-1	NA	<5U								
4-BROMOPHENYL PHENYL ETHER	101-55-3	NA	<2.1U								
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	<2.1U								
4-CHLOROANILINE	106-47-8	NA	<2.1UJ								
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	NA	<2.1U								
4-METHYLPHENOL (P-CRESOL)	106-44-5	1000	<2.1U								
4-NITROANILINE	100-01-6	NA	<5U								
4-NITROPHENOL	100-02-7	NA	<5U								
BIS(2-CHLOROETHOXY)METHANE	111-91-1	NA	<2.1U								
BIS(2-CHLOROETHYL) ETHER	111-44-4	NA	<2.1U								
BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	NA	0.37J								
BUTYLBENZYLPHTHALATE	85-68-7	NA	<2.1U								
CARBAZOLE	86-74-8	NA	11J								
DIBENZOFURAN	132-64-9	1000	0.81J								
DIETHYL PHTHALATE	84-66-2	NA	<2.1U								
DIMETHYLPHTHALATE	131-11-3	NA	<2.1U								
DI-N-BUTYL PHTHALATE	84-74-2	NA	<2.1U								
DI-N-OCTYL PHTHALATE	117-84-0	NA	<2.1U								
HEXACHLORO-1,3-BUTADIENE	87-68-3	NA	<2.1U								
HEXACHLOROBENZENE	118-74-1	12	<2.1U								
HEXACHLOROCYCLOPENTADIENE	77-47-4	NA	<2.1U								
HEXACHLOROETHANE	67-72-1	NA	<2.1U								
ISOPHORONE	78-59-1	NA	<2.1U								
NITROBENZENE	98-95-3	NA	<2.1U								

**Table 4.1-1
Summary of Soil Analytical Data
East Yard SWMU
Con Edison, Astoria, NY**

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E03 E03CS 5/19/1994 (8'-10') N N	E04 E04AS 8/1/1995 (0.83'-2.83') N N	E05 E05AD(Dup) 8/1/1995 (0.83'-2.83') FD N	E05 E05AS 8/1/1995 (0.83'-2.83') N N	E05A E05AAS 6/1/2005 (1'-2') R2526426 N N	E05A E05ACS 6/1/2005 (5'-6') R2526426 N N	E07 E07AS 8/1/1995 (0.83'-2.83') N N	E08 E08AS 8/1/1995 (0.83'-2.83') N N	E09 E09AS 7/31/1995 (0.83'-2.83') N N
N-NITROSODI-N-PROPYLAMINE	621-64-7	NA	<2.1U								
N-NITROSODIPHENYLAMINE	86-30-6	NA	<2.1U								
PENTACHLOROPHENOL	87-86-5	55	<5U								
PHENOL	108-95-2	1000	<2.1U								
CPAH											
BENZO(A)ANTHRACENE	56-55-3	11	5.9								
BENZO(A)PYRENE	50-32-8	1.1	6.5								
BENZO(B)FLUORANTHENE	205-99-2	11	5.6								
BENZO(K)FLUORANTHENE	207-08-9	110	4.3								
CHRYSENE	218-01-9	110	5.8								
DIBENZ(A,H)ANTHRACENE	53-70-3	1.1	1.6J								
INDENO(1,2,3-CD)PYRENE	193-39-5	11	4								
Non-CPAH											
2-METHYLNAPHTHALENE	91-57-6	NA	0.42J								
ACENAPHTHENE	83-32-9	1000	0.74J								
ACENAPHTHYLENE	208-96-8	1000	0.74J								
ANTHRACENE	120-12-7	1000	3.2								
BENZO(G,H,I)PERYLENE	191-24-2	1000	4.2								
FLUORANTHENE	206-44-0	1000	12								
FLUORENE	86-73-7	1000	1.1J								
NAPHTHALENE	91-20-3	1000	0.45J								
PHENANTHRENE	85-01-8	1000	9.3								
PYRENE	129-00-0	1000	9.8								
PCB											
AROCOLOR 1016	12674-11-2	NA	<2.063U		<71.2UJ	<106UJ	<180U	<340U			
AROCOLOR 1221	11104-28-2	NA	<4.189U		<144UJ	<214UJ	<370U	<700U			
AROCOLOR 1232	11141-16-5	NA	<2.063U		<71.2UJ	<106UJ	<180U	<340U			
AROCOLOR 1242	53469-21-9	NA	<2.063U		<71.2UJ	<106UJ	<180U	<340U			
AROCOLOR 1248	12672-29-6	NA	<2.063U		<71.2UJ	<106UJ	<180U	<340U			
AROCOLOR 1254	11097-69-1	NA	<2.063U		<71.2UJ	<106UJ	<180U	<340U			
AROCOLOR 1260	11096-82-5	NA	5		1079J	1021J	840J	2200J			
TOTAL PCBs	1336-36-3	25	5		1079J	1021J	840J	2200J			
METALS											
ALUMINUM (FUME OR DUST)	7429-90-5	NA									
ANTIMONY	7440-36-0	NA									
ARSENIC	7440-38-2	16									
BARIUM	7440-39-3	10000									
BERYLLIUM	7440-41-7	2700									
CADMIUM	7440-43-9	60									
CALCIUM METAL	7440-70-2	NA									
CHROMIUM (TOTAL)	7440-47-3	NA	3.7J								
COBALT	7440-48-4	NA									

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COPPER	7440-50-8	10000									
IRON	7439-89-6	NA									
LEAD	7439-92-1	3900	87.1								
MAGNESIUM	7439-95-4	NA									
MANGANESE	7439-96-5	10000									
MERCURY	7439-97-6	5.7	<0.11U								
NICKEL	7440-02-0	10000									
POTASSIUM	7440-09-7	NA									
SELENIUM	7782-49-2	6800									
SILVER	7440-22-4	6800									
SODIUM	7440-23-5	NA									
THALLIUM	7440-28-0	NA									
VANADIUM	7440-62-2	NA									
ZINC	7440-66-6	10000									
CHEMISTRY											
SOLIDS, PERCENT	SOLID	NA					90.1	96.2			
TOTAL SOLIDS	TSOLIDS	NA									

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East Yard SWMU
Con Edison, Astoria, NY**

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E13 E13AS 8/1/1995 (1'-3')	E14 E14AS 8/2/1995 (0.83'-2.83')	E15 E15AS 8/2/1995 (0.83'-2.83')	E15A E15AAS 6/1/2005 (1'-2') R2526426	E15A E15ACS 6/1/2005 (5'-6') R2526426	E16 E16AS 8/2/1995 (0.75'-2.75')	E19 E19AS 8/2/1995 (1.33'-3.33')	E20 E20AS 8/2/1995 (0.83'-1.33')	E22 E22AS 8/3/1995 (0.75'-2.75')
			N N	N N	N N	N N	N N	N N	N N	N N	N N
VOC											
1,1,1-TRICHLOROETHANE	71-55-6	1000		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
1,1,2,2-TETRACHLOROETHANE	79-34-5	NA		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
1,1,2-TRICHLOROETHANE	79-00-5	NA		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
1,1-DICHLOROETHANE	75-34-3	480		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
1,1-DICHLOROETHENE	75-35-4	1000		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
1,2-DIBROMOETHANE	106-93-4	NA									
1,2-DICHLOROETHANE	107-06-2	60		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
1,2-DICHLOROETHENE (TOTAL)	540-59-0	NA		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
1,2-DICHLOROPROPANE	78-87-5	NA		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
2-BUTANONE	78-93-3	1000		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
2-HEXANONE	591-78-6	NA		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
4-METHYL-2-PENTANONE (MIBK)	108-10-1	NA		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
ACETONE	67-64-1	1000		<0.012U				<0.011U	<0.012U	<0.011U	<0.017U
BENZENE	71-43-2	89		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
BROMODICHLOROMETHANE	75-27-4	NA		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
BROMOFORM	75-25-2	NA		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
BROMOMETHANE	74-83-9	NA		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
CARBON DISULFIDE	75-15-0	NA		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
CARBON TETRACHLORIDE	56-23-5	44		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
CHLOROBENZENE	108-90-7	1000		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
CHLORODIBROMOMETHANE	124-48-1	NA		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
CHLOROETHANE	75-00-3	NA		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
CHLOROFORM	67-66-3	700		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
CHLOROMETHANE (METHYL CHLORIDE)	74-87-3	NA		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
CIS-1,2-DICHLOROETHENE	156-59-2	1000									
CIS-1,3-DICHLOROPROPENE	10061-01-5	NA		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
DICHLOROMETHANE	75-09-2	1000		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
ETHYLBENZENE	100-41-4	780		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
m,p-Xylenes	136777-61-2	NA									
METHYL TERT-BUTYL ETHER	1634-04-4	1000									
STYRENE	100-42-5	NA		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
TETRACHLOROETHENE	127-18-4	300		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
TOLUENE	108-88-3	1000		<0.011U				<0.011U	<0.011U	0.001J	<0.011U
TRANS-1,2-DICHLOROETHENE	156-60-5	1000									
TRANS-1,3-DICHLOROPROPENE	10061-02-6	NA		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
TRICHLOROETHENE	79-01-6	400		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
VINYL CHLORIDE	75-01-4	27		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
XYLENE, O-	95-47-6	NA									
XYLENES (TOTAL)	1330-20-7	1000		<0.011U				<0.011U	<0.011U	<0.011U	<0.011U
SVOC											
1,2,4-TRICHLOROBENZENE	120-82-1	NA									

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			N N	N N	N N	N N	N N	N N	N N	N N	N N
1,2-DICHLOROBENZENE	95-50-1	1000									
1,3-DICHLOROBENZENE	541-73-1	560									
1,4-DICHLOROBENZENE	106-46-7	250									
2,2-OXYBIS(1-CHLOROPROPANE)	108-60-1	NA									
2,4,5-TRICHLOROPHENOL	95-95-4	NA									
2,4,6-TRICHLOROPHENOL	88-06-2	NA									
2,4-DICHLOROPHENOL	120-83-2	NA									
2,4-DIMETHYLPHENOL	105-67-9	NA									
2,4-DINITROPHENOL	51-28-5	NA									
2,4-DINITROTOLUENE	121-14-2	NA									
2,6-DINITROTOLUENE	606-20-2	NA									
2-CHLORONAPHTHALENE	91-58-7	NA									
2-CHLOROPHENOL	95-57-8	NA									
2-METHYLPHENOL	95-48-7	1000									
2-NITROANILINE	88-74-4	NA									
2-NITROPHENOL	88-75-5	NA									
3,3-DICHLOROBENZIDINE	91-94-1	NA									
3-NITROANILINE	99-09-2	NA									
4,6-DINITRO-2-METHYLPHENOL	534-52-1	NA									
4-BROMOPHENYL PHENYL ETHER	101-55-3	NA									
4-CHLORO-3-METHYLPHENOL	59-50-7	NA									
4-CHLOROANILINE	106-47-8	NA									
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	NA									
4-METHYLPHENOL (P-CRESOL)	106-44-5	1000									
4-NITROANILINE	100-01-6	NA									
4-NITROPHENOL	100-02-7	NA									
BIS(2-CHLOROETHOXY)METHANE	111-91-1	NA									
BIS(2-CHLOROETHYL) ETHER	111-44-4	NA									
BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	NA									
BUTYLBENZYLPHTHALATE	85-68-7	NA									
CARBAZOLE	86-74-8	NA									
DIBENZOFURAN	132-64-9	1000									
DIETHYL PHTHALATE	84-66-2	NA									
DIMETHYLPHTHALATE	131-11-3	NA									
DI-N-BUTYL PHTHALATE	84-74-2	NA									
DI-N-OCTYL PHTHALATE	117-84-0	NA									
HEXACHLORO-1,3-BUTADIENE	87-68-3	NA									
HEXACHLOROBENZENE	118-74-1	12									
HEXACHLOROCYCLOPENTADIENE	77-47-4	NA									
HEXACHLOROETHANE	67-72-1	NA									
ISOPHORONE	78-59-1	NA									
NITROBENZENE	98-95-3	NA									

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N-NITROSODI-N-PROPYLAMINE	621-64-7	NA									
N-NITROSODIPHENYLAMINE	86-30-6	NA									
PENTACHLOROPHENOL	87-86-5	55									
PHENOL	108-95-2	1000									
CPAH											
BENZO(A)ANTHRACENE	56-55-3	11									
BENZO(A)PYRENE	50-32-8	1.1									
BENZO(B)FLUORANTHENE	205-99-2	11									
BENZO(K)FLUORANTHENE	207-08-9	110									
CHRYSENE	218-01-9	110									
DIBENZ(A,H)ANTHRACENE	53-70-3	1.1									
INDENO(1,2,3-CD)PYRENE	193-39-5	11									
Non-CPAH											
2-METHYLNAPHTHALENE	91-57-6	NA									
ACENAPHTHENE	83-32-9	1000									
ACENAPHTHYLENE	208-96-8	1000									
ANTHRACENE	120-12-7	1000									
BENZO(G,H,I)PERYLENE	191-24-2	1000									
FLUORANTHENE	206-44-0	1000									
FLUORENE	86-73-7	1000									
NAPHTHALENE	91-20-3	1000									
PHENANTHRENE	85-01-8	1000									
PYRENE	129-00-0	1000									
PCB											
AROCOLOR 1016	12674-11-2	NA	<3.59UJ		<145UJ	<0.036U	<3.9U			<18.2UJ	
AROCOLOR 1221	11104-28-2	NA	<7.3UJ		<294UJ	<0.073U	<7.9U			<36.8UJ	
AROCOLOR 1232	11141-16-5	NA	<3.59UJ		<145UJ	<0.036U	<3.9U			<18.2UJ	
AROCOLOR 1242	53469-21-9	NA	<3.59UJ		<145UJ	<0.036U	<3.9U			<18.2UJ	
AROCOLOR 1248	12672-29-6	NA	<3.59UJ		<145UJ	<0.036U	<3.9U			<18.2UJ	
AROCOLOR 1254	11097-69-1	NA	<3.59UJ		<145UJ	<0.036U	<3.9U			<18.2UJ	
AROCOLOR 1260	11096-82-5	NA	<3.556UJ		1515J	0.13	7.3			27.96J	
TOTAL PCBs	1336-36-3	25	0		1515J	0.13	7.3			27.96J	
METALS											
ALUMINUM (FUME OR DUST)	7429-90-5	NA									
ANTIMONY	7440-36-0	NA									
ARSENIC	7440-38-2	16									
BARIUM	7440-39-3	10000									
BERYLLIUM	7440-41-7	2700									
CADMIUM	7440-43-9	60									
CALCIUM METAL	7440-70-2	NA									
CHROMIUM (TOTAL)	7440-47-3	NA									
COBALT	7440-48-4	NA									

Table 4.1-1
Summary of Soil Analytical Data
East Yard SWMU
Con Edison, Astoria, NY

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E13 E13AS 8/1/1995 (1'-3') N N	E14 E14AS 8/2/1995 (0.83'-2.83') N N	E15 E15AS 8/2/1995 (0.83'-2.83') N N	E15A E15AAS 6/1/2005 (1'-2') R2526426 N N	E15A E15ACS 6/1/2005 (5'-6') R2526426 N N	E16 E16AS 8/2/1995 (0.75'-2.75') N N	E19 E19AS 8/2/1995 (1.33'-3.33') N N	E20 E20AS 8/2/1995 (0.83'-1.33') N N	E22 E22AS 8/3/1995 (0.75'-2.75') N N
COPPER	7440-50-8	10000									
IRON	7439-89-6	NA									
LEAD	7439-92-1	3900									
MAGNESIUM	7439-95-4	NA									
MANGANESE	7439-96-5	10000									
MERCURY	7439-97-6	5.7									
NICKEL	7440-02-0	10000									
POTASSIUM	7440-09-7	NA									
SELENIUM	7782-49-2	6800									
SILVER	7440-22-4	6800									
SODIUM	7440-23-5	NA									
THALLIUM	7440-28-0	NA									
VANADIUM	7440-62-2	NA									
ZINC	7440-66-6	10000									
CHEMISTRY											
SOLIDS, PERCENT	SOLID	NA				91.4	85.1				
TOTAL SOLIDS	TSOLIDS	NA									

Table 4.1-1
Summary of Soil Analytical Data
East Yard SWMU
Con Edison, Astoria, NY

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E25 E25AS 6/1/2005 (1'-2') R2526426 N N	E25 E25CS 6/1/2005 (5'-6') R2526426 N N	E26 E26AS 6/1/2005 (1'-2') R2526426 N N	E26 E26CS 6/1/2005 (5'-6') R2526426 N N	E27 E27AS 6/1/2005 (1'-2') R2526426 N N	E27 E27BS 6/1/2005 (5'-6') R2526426 N N	E28 E28AS 7/6/2005 (0'-2') R2526865 N N	E28 E28CD 5/3/2006 (5'-6') R2631578 FD N	E28 E28CS 5/3/2006 (5'-6') R2631578 N N
VOC											
1,1,1-TRICHLOROETHANE	71-55-6	1000									
1,1,2,2-TETRACHLOROETHANE	79-34-5	NA									
1,1,2-TRICHLOROETHANE	79-00-5	NA									
1,1-DICHLOROETHANE	75-34-3	480									
1,1-DICHLOROETHENE	75-35-4	1000									
1,2-DIBROMOETHANE	106-93-4	NA									
1,2-DICHLOROETHANE	107-06-2	60									
1,2-DICHLOROETHENE (TOTAL)	540-59-0	NA									
1,2-DICHLOROPROPANE	78-87-5	NA									
2-BUTANONE	78-93-3	1000									
2-HEXANONE	591-78-6	NA									
4-METHYL-2-PENTANONE (MIBK)	108-10-1	NA									
ACETONE	67-64-1	1000									
BENZENE	71-43-2	89									
BROMODICHLOROMETHANE	75-27-4	NA									
BROMOFORM	75-25-2	NA									
BROMOMETHANE	74-83-9	NA									
CARBON DISULFIDE	75-15-0	NA									
CARBON TETRACHLORIDE	56-23-5	44									
CHLOROBENZENE	108-90-7	1000									
CHLORODIBROMOMETHANE	124-48-1	NA									
CHLOROETHANE	75-00-3	NA									
CHLOROFORM	67-66-3	700									
CHLOROMETHANE (METHYL CHLORIDE)	74-87-3	NA									
CIS-1,2-DICHLOROETHENE	156-59-2	1000									
CIS-1,3-DICHLOROPROPENE	10061-01-5	NA									
DICHLOROMETHANE	75-09-2	1000									
ETHYLBENZENE	100-41-4	780									
m,p-Xylenes	136777-61-2	NA									
METHYL TERT-BUTYL ETHER	1634-04-4	1000									
STYRENE	100-42-5	NA									
TETRACHLOROETHENE	127-18-4	300									
TOLUENE	108-88-3	1000									
TRANS-1,2-DICHLOROETHENE	156-60-5	1000									
TRANS-1,3-DICHLOROPROPENE	10061-02-6	NA									
TRICHLOROETHENE	79-01-6	400									
VINYL CHLORIDE	75-01-4	27									
XYLENE, O-	95-47-6	NA									
XYLENES (TOTAL)	1330-20-7	1000									
SVOC											
1,2,4-TRICHLOROETHANE	120-82-1	NA									

**Table 4.1-1
Summary of Soil Analytical Data
East Yard SWMU
Con Edison, Astoria, NY**

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E25 E25AS 6/1/2005 (1'-2') R2526426 N N	E25 E25CS 6/1/2005 (5'-6') R2526426 N N	E26 E26AS 6/1/2005 (1'-2') R2526426 N N	E26 E26CS 6/1/2005 (5'-6') R2526426 N N	E27 E27AS 6/1/2005 (1'-2') R2526426 N N	E27 E27BS 6/1/2005 (5'-6') R2526426 N N	E28 E28AS 7/6/2005 (0'-2') R2526865 N N	E28 E28CD 5/3/2006 (5'-6') R2631578 FD N	E28 E28CS 5/3/2006 (5'-6') R2631578 N N
1,2-DICHLOROBENZENE	95-50-1	1000									
1,3-DICHLOROBENZENE	541-73-1	560									
1,4-DICHLOROBENZENE	106-46-7	250									
2,2-OXYBIS(1-CHLOROPROPANE)	108-60-1	NA									
2,4,5-TRICHLOROPHENOL	95-95-4	NA									
2,4,6-TRICHLOROPHENOL	88-06-2	NA									
2,4-DICHLOROPHENOL	120-83-2	NA									
2,4-DIMETHYLPHENOL	105-67-9	NA									
2,4-DINITROPHENOL	51-28-5	NA									
2,4-DINITROTOLUENE	121-14-2	NA									
2,6-DINITROTOLUENE	606-20-2	NA									
2-CHLORONAPHTHALENE	91-58-7	NA									
2-CHLOROPHENOL	95-57-8	NA									
2-METHYLPHENOL	95-48-7	1000									
2-NITROANILINE	88-74-4	NA									
2-NITROPHENOL	88-75-5	NA									
3,3-DICHLOROBENZIDINE	91-94-1	NA									
3-NITROANILINE	99-09-2	NA									
4,6-DINITRO-2-METHYLPHENOL	534-52-1	NA									
4-BROMOPHENYL PHENYL ETHER	101-55-3	NA									
4-CHLORO-3-METHYLPHENOL	59-50-7	NA									
4-CHLOROANILINE	106-47-8	NA									
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	NA									
4-METHYLPHENOL (P-CRESOL)	106-44-5	1000									
4-NITROANILINE	100-01-6	NA									
4-NITROPHENOL	100-02-7	NA									
BIS(2-CHLOROETHOXY)METHANE	111-91-1	NA									
BIS(2-CHLOROETHYL) ETHER	111-44-4	NA									
BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	NA									
BUTYLBENZYLPHTHALATE	85-68-7	NA									
CARBAZOLE	86-74-8	NA									
DIBENZOFURAN	132-64-9	1000									
DIETHYL PHTHALATE	84-66-2	NA									
DIMETHYLPHTHALATE	131-11-3	NA									
DI-N-BUTYL PHTHALATE	84-74-2	NA									
DI-N-OCTYL PHTHALATE	117-84-0	NA									
HEXACHLORO-1,3-BUTADIENE	87-68-3	NA									
HEXACHLOROBENZENE	118-74-1	12									
HEXACHLOROCYCLOPENTADIENE	77-47-4	NA									
HEXACHLOROETHANE	67-72-1	NA									
ISOPHORONE	78-59-1	NA									
NITROBENZENE	98-95-3	NA									

**Table 4.1-1
Summary of Soil Analytical Data
East Yard SWMU
Con Edison, Astoria, NY**

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E25 E25AS 6/1/2005 (1'-2') R2526426 N N	E25 E25CS 6/1/2005 (5'-6') R2526426 N N	E26 E26AS 6/1/2005 (1'-2') R2526426 N N	E26 E26CS 6/1/2005 (5'-6') R2526426 N N	E27 E27AS 6/1/2005 (1'-2') R2526426 N N	E27 E27BS 6/1/2005 (5'-6') R2526426 N N	E28 E28AS 7/6/2005 (0'-2') R2526865 N N	E28 E28CD 5/3/2006 (5'-6') R2631578 FD N	E28 E28CS 5/3/2006 (5'-6') R2631578 N N
N-NITROSODI-N-PROPYLAMINE	621-64-7	NA									
N-NITROSODIPHENYLAMINE	86-30-6	NA									
PENTACHLOROPHENOL	87-86-5	55									
PHENOL	108-95-2	1000									
CPAH											
BENZO(A)ANTHRACENE	56-55-3	11									
BENZO(A)PYRENE	50-32-8	1.1									
BENZO(B)FLUORANTHENE	205-99-2	11									
BENZO(K)FLUORANTHENE	207-08-9	110									
CHRYSENE	218-01-9	110									
DIBENZ(A,H)ANTHRACENE	53-70-3	1.1									
INDENO(1,2,3-CD)PYRENE	193-39-5	11									
Non-CPAH											
2-METHYLNAPHTHALENE	91-57-6	NA									
ACENAPHTHENE	83-32-9	1000									
ACENAPHTHYLENE	208-96-8	1000									
ANTHRACENE	120-12-7	1000									
BENZO(G,H,I)PERYLENE	191-24-2	1000									
FLUORANTHENE	206-44-0	1000									
FLUORENE	86-73-7	1000									
NAPHTHALENE	91-20-3	1000									
PHENANTHRENE	85-01-8	1000									
PYRENE	129-00-0	1000									
PCB											
AROCOLOR 1016	12674-11-2	NA	<0.73U	<0.17U	<0.034U	<0.034U	<3.6U	<0.34U	<0.034U	<0.037U	<0.037UJ
AROCOLOR 1221	11104-28-2	NA	<1.5U	<0.35U	<0.069U	<0.069U	<7.4U	<0.7U	<0.07U	<0.075U	<0.076UJ
AROCOLOR 1232	11141-16-5	NA	<0.73U	<0.17U	<0.034U	<0.034U	<3.6U	<0.34U	<0.034U	<0.037U	<0.037UJ
AROCOLOR 1242	53469-21-9	NA	<0.73U	<0.17U	<0.034U	<0.034U	<3.6U	<0.34U	<0.034U	<0.037U	<0.037UJ
AROCOLOR 1248	12672-29-6	NA	<0.73U	<0.17U	<0.034U	<0.034U	<3.6U	<0.34U	<0.034U	<0.037U	<0.037UJ
AROCOLOR 1254	11097-69-1	NA	<0.73U	<0.17U	<0.034U	<0.034U	<3.6U	<0.34U	<0.034U	<0.037U	<0.037UJ
AROCOLOR 1260	11096-82-5	NA	6.8	1.1	<0.034U	0.052	6.4J	1.9J	0.062	<0.037U	<0.037UJ
TOTAL PCBs	1336-36-3	25	6.8	1.1	0	0.052	6.4J	1.9J	0.062	0	0*
METALS											
ALUMINUM (FUME OR DUST)	7429-90-5	NA									
ANTIMONY	7440-36-0	NA									
ARSENIC	7440-38-2	16									
BARIUM	7440-39-3	10000									
BERYLLIUM	7440-41-7	2700									
CADMIUM	7440-43-9	60									
CALCIUM METAL	7440-70-2	NA									
CHROMIUM (TOTAL)	7440-47-3	NA									
COBALT	7440-48-4	NA									

**Table 4.1-1
Summary of Soil Analytical Data
East Yard SWMU
Con Edison, Astoria, NY**

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E25 E25AS 6/1/2005 (1'-2') R2526426 N N	E25 E25CS 6/1/2005 (5'-6') R2526426 N N	E26 E26AS 6/1/2005 (1'-2') R2526426 N N	E26 E26CS 6/1/2005 (5'-6') R2526426 N N	E27 E27AS 6/1/2005 (1'-2') R2526426 N N	E27 E27BS 6/1/2005 (5'-6') R2526426 N N	E28 E28AS 7/6/2005 (0'-2') R2526865 N N	E28 E28CD 5/3/2006 (5'-6') R2631578 FD N	E28 E28CS 5/3/2006 (5'-6') R2631578 N N
COPPER	7440-50-8	10000									
IRON	7439-89-6	NA									
LEAD	7439-92-1	3900									
MAGNESIUM	7439-95-4	NA									
MANGANESE	7439-96-5	10000									
MERCURY	7439-97-6	5.7									
NICKEL	7440-02-0	10000									
POTASSIUM	7440-09-7	NA									
SELENIUM	7782-49-2	6800									
SILVER	7440-22-4	6800									
SODIUM	7440-23-5	NA									
THALLIUM	7440-28-0	NA									
VANADIUM	7440-62-2	NA									
ZINC	7440-66-6	10000									
CHEMISTRY											
SOLIDS, PERCENT	SOLID	NA	89.9	95.5	96.8	97.8	91.1	95.7			
TOTAL SOLIDS	TSOLIDS	NA							95.7	89.7	88.3

Table 4.1-1
Summary of Soil Analytical Data
East Yard SWMU
Con Edison, Astoria, NY

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E29 E29AS 6/1/2005 (1'-2') R2526412 N N	E29 E29CS 6/1/2005 (5.5'-7') R2526412 N N	E30 E30AS 6/1/2005 (1'-2') R2526426 N N	E30 E30CD 6/1/2005 (5'-6') R2526426 FD N	E30 E30CS 6/1/2005 (5'-6') R2526426 N N	E31 E31AD 6/1/2005 (1'-2') R2526412 FD N	E31 E31AS 6/1/2005 (1'-2') R2526426 N N	E31 E31CS 6/1/2005 (5'-6.5') R2526412 N N	E32 E32AS 6/1/2005 (1'-2') R2526426 N N
VOC											
1,1,1-TRICHLOROETHANE	71-55-6	1000	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
1,1,2,2-TETRACHLOROETHANE	79-34-5	NA	R	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
1,1,2-TRICHLOROETHANE	79-00-5	NA	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
1,1-DICHLOROETHANE	75-34-3	480	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
1,1-DICHLOROETHENE	75-35-4	1000	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
1,2-DIBROMOETHANE	106-93-4	NA	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
1,2-DICHLOROETHANE	107-06-2	60	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
1,2-DICHLOROETHENE (TOTAL)	540-59-0	NA									
1,2-DICHLOROPROPANE	78-87-5	NA	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
2-BUTANONE	78-93-3	1000	<0.01UJ	<0.014U				<0.0078U	<0.0078U	<0.015U	
2-HEXANONE	591-78-6	NA	<0.01UJ	<0.014U				<0.0078U	<0.0078U	<0.02*U	
4-METHYL-2-PENTANONE (MIBK)	108-10-1	NA	<0.01UJ	<0.014U				<0.0078U	<0.0078U	<0.015U	
ACETONE	67-64-1	1000	0.017J	0.01J				0.0096J	0.0064J	0.0068J	
BENZENE	71-43-2	89	0.00053J	<0.0071U				0.00064J	<0.0039U	<0.0075U	
BROMODICHLOROMETHANE	75-27-4	NA	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
BROMOFORM	75-25-2	NA	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
BROMOMETHANE	74-83-9	NA	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
CARBON DISULFIDE	75-15-0	NA	0.00042J	<0.014U				<0.0078U	<0.0078U	<0.015U	
CARBON TETRACHLORIDE	56-23-5	44	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
CHLOROBENZENE	108-90-7	1000	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
CHLORODIBROMOMETHANE	124-48-1	NA	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
CHLOROETHANE	75-00-3	NA	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
CHLOROFORM	67-66-3	700	0.0006J	0.00096J				<0.0039U	<0.0039U	<0.0075U	
CHLOROMETHANE (METHYL CHLORIDE)	74-87-3	NA	<0.0052UJ	<0.0071U				0.00027J	<0.0039U	<0.0075U	
CIS-1,2-DICHLOROETHENE	156-59-2	1000	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
CIS-1,3-DICHLOROPROPENE	10061-01-5	NA	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
DICHLOROMETHANE	75-09-2	1000	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
ETHYLBENZENE	100-41-4	780	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
m,p-Xylenes	136777-61-2	NA	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
METHYL TERT-BUTYL ETHER	1634-04-4	1000	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
STYRENE	100-42-5	NA	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
TETRACHLOROETHENE	127-18-4	300	0.0025J	0.00052J				<0.0039U	<0.0039U	<0.0075U	
TOLUENE	108-88-3	1000	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
TRANS-1,2-DICHLOROETHENE	156-60-5	1000	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
TRANS-1,3-DICHLOROPROPENE	10061-02-6	NA	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
TRICHLOROETHENE	79-01-6	400	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	0.00049J	
VINYL CHLORIDE	75-01-4	27	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
XYLENE, O-	95-47-6	NA	<0.0052UJ	<0.0071U				<0.0039U	<0.0039U	<0.0075U	
XYLENES (TOTAL)	1330-20-7	1000									
SVOC											
1,2,4-TRICHLOROBENZENE	120-82-1	NA									

**Table 4.1-1
Summary of Soil Analytical Data
East Yard SWMU
Con Edison, Astoria, NY**

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E29 E29AS 6/1/2005 (1'-2') R2526412 N N	E29 E29CS 6/1/2005 (5.5'-7') R2526412 N N	E30 E30AS 6/1/2005 (1'-2') R2526426 N N	E30 E30CD 6/1/2005 (5'-6') R2526426 FD N	E30 E30CS 6/1/2005 (5'-6') R2526426 N N	E31 E31AD 6/1/2005 (1'-2') R2526412 FD N	E31 E31AS 6/1/2005 (1'-2') R2526426 N N	E31 E31CS 6/1/2005 (5'-6.5') R2526412 N N	E32 E32AS 6/1/2005 (1'-2') R2526426 N N
1,2-DICHLOROBENZENE	95-50-1	1000									
1,3-DICHLOROBENZENE	541-73-1	560									
1,4-DICHLOROBENZENE	106-46-7	250									
2,2-OXYBIS(1-CHLOROPROPANE)	108-60-1	NA									
2,4,5-TRICHLOROPHENOL	95-95-4	NA									
2,4,6-TRICHLOROPHENOL	88-06-2	NA									
2,4-DICHLOROPHENOL	120-83-2	NA									
2,4-DIMETHYLPHENOL	105-67-9	NA									
2,4-DINITROPHENOL	51-28-5	NA									
2,4-DINITROTOLUENE	121-14-2	NA									
2,6-DINITROTOLUENE	606-20-2	NA									
2-CHLORONAPHTHALENE	91-58-7	NA									
2-CHLOROPHENOL	95-57-8	NA									
2-METHYLPHENOL	95-48-7	1000									
2-NITROANILINE	88-74-4	NA									
2-NITROPHENOL	88-75-5	NA									
3,3-DICHLOROBENZIDINE	91-94-1	NA									
3-NITROANILINE	99-09-2	NA									
4,6-DINITRO-2-METHYLPHENOL	534-52-1	NA									
4-BROMOPHENYL PHENYL ETHER	101-55-3	NA									
4-CHLORO-3-METHYLPHENOL	59-50-7	NA									
4-CHLOROANILINE	106-47-8	NA									
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	NA									
4-METHYLPHENOL (P-CRESOL)	106-44-5	1000									
4-NITROANILINE	100-01-6	NA									
4-NITROPHENOL	100-02-7	NA									
BIS(2-CHLOROETHOXY)METHANE	111-91-1	NA									
BIS(2-CHLOROETHYL) ETHER	111-44-4	NA									
BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	NA									
BUTYLBENZYLPHTHALATE	85-68-7	NA									
CARBAZOLE	86-74-8	NA									
DIBENZOFURAN	132-64-9	1000									
DIETHYL PHTHALATE	84-66-2	NA									
DIMETHYLPHTHALATE	131-11-3	NA									
DI-N-BUTYL PHTHALATE	84-74-2	NA									
DI-N-OCTYL PHTHALATE	117-84-0	NA									
HEXACHLORO-1,3-BUTADIENE	87-68-3	NA									
HEXACHLOROBENZENE	118-74-1	12									
HEXACHLOROCYCLOPENTADIENE	77-47-4	NA									
HEXACHLOROETHANE	67-72-1	NA									
ISOPHORONE	78-59-1	NA									
NITROBENZENE	98-95-3	NA									

**Table 4.1-1
Summary of Soil Analytical Data
East Yard SWMU
Con Edison, Astoria, NY**

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E29 E29AS 6/1/2005 (1'-2') R2526412 N N	E29 E29CS 6/1/2005 (5.5'-7') R2526412 N N	E30 E30AS 6/1/2005 (1'-2') R2526426 N N	E30 E30CD 6/1/2005 (5'-6') R2526426 FD N	E30 E30CS 6/1/2005 (5'-6') R2526426 N N	E31 E31AD 6/1/2005 (1'-2') R2526412 FD N	E31 E31AS 6/1/2005 (1'-2') R2526426 N N	E31 E31CS 6/1/2005 (5'-6.5') R2526412 N N	E32 E32AS 6/1/2005 (1'-2') R2526426 N N
N-NITROSODI-N-PROPYLAMINE	621-64-7	NA									
N-NITROSODIPHENYLAMINE	86-30-6	NA									
PENTACHLOROPHENOL	87-86-5	55									
PHENOL	108-95-2	1000									
CPAH											
BENZO(A)ANTHRACENE	56-55-3	11	5.3	31				0.29J	0.26J	4	
BENZO(A)PYRENE	50-32-8	1.1	6.4	32				0.36	0.31J	2.8	
BENZO(B)FLUORANTHENE	205-99-2	11	4.7	26				0.29J	0.26J	1.7	
BENZO(K)FLUORANTHENE	207-08-9	110	5.2	26				0.31J	0.25J	1.8	
CHRYSENE	218-01-9	110	5.4	30				0.32J	0.29J	4.9	
DIBENZ(A,H)ANTHRACENE	53-70-3	1.1	1.3	5.9				0.065J	0.068J	0.52J	
INDENO(1,2,3-CD)PYRENE	193-39-5	11	4.3	16				0.25J	0.2J	1.2J	
Non-CPAH											
2-METHYLNAPHTHALENE	91-57-6	NA									
ACENAPHTHENE	83-32-9	1000	0.24J	1.1J				<0.35U	<0.35U	<1.3U	
ACENAPHTHYLENE	208-96-8	1000	0.76J	0.51J				0.094J	0.063J	1.1J	
ANTHRACENE	120-12-7	1000	1.4	6.8				0.052J	0.049J	0.71J	
BENZO(G,H,I)PERYLENE	191-24-2	1000	4.9	17				0.3J	0.24J	1.4	
FLUORANTHENE	206-44-0	1000	8.8	56				0.41	<0.35J	2.8	
FLUORENE	86-73-7	1000	0.32J	1.9J				<0.35U	<0.35U	<1.3U	
NAPHTHALENE	91-20-3	1000	0.23J	0.98J				<0.35U	<0.35U	<1.3U	
PHENANTHRENE	85-01-8	1000	4.6	24				0.11J	0.12J	0.92J	
PYRENE	129-00-0	1000	7.7	38				0.45	0.4	4.9	
PCB											
AROCOLOR 1016	12674-11-2	NA	<0.041U	<0.045UJ	<3.7U	<3.8U	<3.8U	<0.18U	<0.18U	<0.042U	<0.038U
AROCOLOR 1221	11104-28-2	NA	<0.083U	<0.092UJ	<7.5U	<7.6U	<7.7U	<0.36U	<0.36U	<0.085U	<0.076U
AROCOLOR 1232	11141-16-5	NA	<0.041U	<0.045UJ	<3.7U	<3.8U	<3.8U	<0.18U	<0.18U	<0.042U	<0.038U
AROCOLOR 1242	53469-21-9	NA	<0.041U	<0.045UJ	<3.7U	<3.8U	<3.8U	<0.18U	<0.18U	<0.042U	<0.038U
AROCOLOR 1248	12672-29-6	NA	<0.041U	<0.045UJ	<3.7U	<3.8U	<3.8U	<0.18U	<0.18U	<0.042U	<0.038U
AROCOLOR 1254	11097-69-1	NA	<0.041U	<0.045UJ	<3.7U	<3.8U	<3.8U	<0.18U	<0.18U	<0.042U	<0.038U
AROCOLOR 1260	11096-82-5	NA	0.12J	<0.045UJ	8.5J	35	26	0.72J	1.3	0.26J	0.13
TOTAL PCBs	1336-36-3	25	0.12J	0*	8.5J	35	26	0.72J	1.3	0.26J	0.13
METALS											
ALUMINUM (FUME OR DUST)	7429-90-5	NA									
ANTIMONY	7440-36-0	NA									
ARSENIC	7440-38-2	16									
BARIUM	7440-39-3	10000									
BERYLLIUM	7440-41-7	2700									
CADMIUM	7440-43-9	60									
CALCIUM METAL	7440-70-2	NA									
CHROMIUM (TOTAL)	7440-47-3	NA									
COBALT	7440-48-4	NA									

**Table 4.1-1
Summary of Soil Analytical Data
East Yard SWMU
Con Edison, Astoria, NY**

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E29 E29AS 6/1/2005 (1'-2') R2526412 N N	E29 E29CS 6/1/2005 (5.5'-7') R2526412 N N	E30 E30AS 6/1/2005 (1'-2') R2526426 N N	E30 E30CD 6/1/2005 (5'-6') R2526426 FD N	E30 E30CS 6/1/2005 (5'-6') R2526426 N N	E31 E31AD 6/1/2005 (1'-2') R2526412 FD N	E31 E31AS 6/1/2005 (1'-2') R2526426 N N	E31 E31CS 6/1/2005 (5'-6.5') R2526412 N N	E32 E32AS 6/1/2005 (1'-2') R2526426 N N
COPPER	7440-50-8	10000									
IRON	7439-89-6	NA									
LEAD	7439-92-1	3900									
MAGNESIUM	7439-95-4	NA									
MANGANESE	7439-96-5	10000									
MERCURY	7439-97-6	5.7									
NICKEL	7440-02-0	10000									
POTASSIUM	7440-09-7	NA									
SELENIUM	7782-49-2	6800									
SILVER	7440-22-4	6800									
SODIUM	7440-23-5	NA									
THALLIUM	7440-28-0	NA									
VANADIUM	7440-62-2	NA									
ZINC	7440-66-6	10000									
CHEMISTRY											
SOLIDS, PERCENT	SOLID	NA	81.1	73.0	88.9	87.8	87.3	93.3	93.7	79.1	88.0
TOTAL SOLIDS	TSOLIDS	NA									

Table 4.1-1
Summary of Soil Analytical Data
East Yard SWMU
Con Edison, Astoria, NY

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E32 E32CS 6/1/2005 (5'-6') R2526426 N N	E33 E33AS 6/1/2005 (1'-2') R2526426 N N	E33 E33-AS 12/1/1997 (1'-1') N N	E33 E33-BS 12/1/1997 (6'-8') N N	E33 E33CS 6/1/2005 (5'-6') R2526426 N N	E34 E34AS 6/1/2005 (1'-2') R2526426 N N	E34 E34CS 6/1/2005 (5'-6.5') R2526426 N N	N02 N02AS 11/20/1994 (1'-2') N N	N02 N02CS 11/20/1994 (7'-9') N N
VOC											
1,1,1-TRICHLOROETHANE	71-55-6	1000						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
1,1,2,2-TETRACHLOROETHANE	79-34-5	NA						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
1,1,2-TRICHLOROETHANE	79-00-5	NA						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
1,1-DICHLOROETHANE	75-34-3	480						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
1,1-DICHLOROETHENE	75-35-4	1000						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
1,2-DIBROMOETHANE	106-93-4	NA						<0.0036U	<0.0058UJ		
1,2-DICHLOROETHANE	107-06-2	60						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
1,2-DICHLOROETHENE (TOTAL)	540-59-0	NA								<0.011UJ	<0.012U
1,2-DICHLOROPROPANE	78-87-5	NA						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
2-BUTANONE	78-93-3	1000						<0.0073U	<0.012UJ	<0.011UJ	<0.012U
2-HEXANONE	591-78-6	NA						<0.0073U	<0.012UJ	<0.011UJ	<0.012U
4-METHYL-2-PENTANONE (MIBK)	108-10-1	NA						<0.0073U	<0.012UJ	<0.011UJ	<0.012U
ACETONE	67-64-1	1000						0.0075J	0.0082J	<0.011UJ	<0.012U
BENZENE	71-43-2	89			<0.001UJ	<1.1UJ		<0.0036U	0.00066J	<0.011UJ	<0.012U
BROMODICHLOROMETHANE	75-27-4	NA						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
BROMOFORM	75-25-2	NA						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
BROMOMETHANE	74-83-9	NA						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
CARBON DISULFIDE	75-15-0	NA						0.00024J	0.00091J	0.006J	<0.012U
CARBON TETRACHLORIDE	56-23-5	44						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
CHLOROBENZENE	108-90-7	1000						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
CHLORODIBROMOMETHANE	124-48-1	NA						<0.0036U	<0.0058UJ	<0.011UJ	0.001J
CHLOROETHANE	75-00-3	NA						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
CHLOROFORM	67-66-3	700						<0.0036U	0.0011J	<0.011UJ	<0.012U
CHLOROMETHANE (METHYL CHLORIDE)	74-87-3	NA						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
CIS-1,2-DICHLOROETHENE	156-59-2	1000						<0.0036U	<0.0058UJ		
CIS-1,3-DICHLOROPROPENE	10061-01-5	NA						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
DICHLOROMETHANE	75-09-2	1000						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
ETHYLBENZENE	100-41-4	780			<0.001UJ	3.8J		<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
m,p-Xylenes	136777-61-2	NA						<0.0036U	<0.0058UJ		
METHYL TERT-BUTYL ETHER	1634-04-4	1000						<0.0036U	<0.0058UJ		
STYRENE	100-42-5	NA						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
TETRACHLOROETHENE	127-18-4	300						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
TOLUENE	108-88-3	1000			<0.006UJ	<5.4UJ		<0.0036U	<0.0058UJ	0.002J	<0.012U
TRANS-1,2-DICHLOROETHENE	156-60-5	1000						<0.0036U	<0.0058UJ		
TRANS-1,3-DICHLOROPROPENE	10061-02-6	NA						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
TRICHLOROETHENE	79-01-6	400						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
VINYL CHLORIDE	75-01-4	27						<0.0036U	<0.0058UJ	<0.011UJ	<0.012U
XYLENE, O-	95-47-6	NA						<0.0036U	<0.0058UJ		
XYLENES (TOTAL)	1330-20-7	1000			0.007J	82J				0.003J	<0.012U
SVOC											
1,2,4-TRICHLOROBENZENE	120-82-1	NA								<3.8UJ	<0.39U

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East Yard SWMU
Con Edison, Astoria, NY**

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E32 E32CS 6/1/2005 (5'-6') R2526426 N N	E33 E33AS 6/1/2005 (1'-2') R2526426 N N	E33 E33-AS 12/1/1997 (1'-1') N N	E33 E33-BS 12/1/1997 (6'-8') N N	E33 E33CS 6/1/2005 (5'-6') R2526426 N N	E34 E34AS 6/1/2005 (1'-2') R2526426 N N	E34 E34CS 6/1/2005 (5'-6.5') R2526426 N N	N02 N02AS 11/20/1994 (1'-2') N N	N02 N02CS 11/20/1994 (7'-9') N N
1,2-DICHLOROBENZENE	95-50-1	1000								<3.8UJ	<0.39U
1,3-DICHLOROBENZENE	541-73-1	560								<3.8UJ	<0.39U
1,4-DICHLOROBENZENE	106-46-7	250								<3.8UJ	<0.39U
2,2-OXYBIS(1-CHLOROPROPANE)	108-60-1	NA								<3.8UJ	<0.39U
2,4,5-TRICHLOROPHENOL	95-95-4	NA								<9.2UJ	<0.94U
2,4,6-TRICHLOROPHENOL	88-06-2	NA								<3.8UJ	<0.39U
2,4-DICHLOROPHENOL	120-83-2	NA								<3.8UJ	<0.39U
2,4-DIMETHYLPHENOL	105-67-9	NA								<3.8UJ	<0.39U
2,4-DINITROPHENOL	51-28-5	NA								<9.2UJ	<0.94U
2,4-DINITROTOLUENE	121-14-2	NA								<3.8UJ	<0.39U
2,6-DINITROTOLUENE	606-20-2	NA								<3.8UJ	<0.39U
2-CHLORONAPHTHALENE	91-58-7	NA								<3.8UJ	<0.39U
2-CHLOROPHENOL	95-57-8	NA								<3.8UJ	<0.39U
2-METHYLPHENOL	95-48-7	1000								<3.8UJ	<0.39U
2-NITROANILINE	88-74-4	NA								<9.2UJ	<0.94U
2-NITROPHENOL	88-75-5	NA								<3.8UJ	<0.39U
3,3-DICHLOROBENZIDINE	91-94-1	NA								<3.8UJ	<0.39U
3-NITROANILINE	99-09-2	NA								<9.2UJ	<0.94U
4,6-DINITRO-2-METHYLPHENOL	534-52-1	NA								<9.2UJ	<0.94U
4-BROMOPHENYL PHENYL ETHER	101-55-3	NA								<3.8UJ	<0.39U
4-CHLORO-3-METHYLPHENOL	59-50-7	NA								<3.8UJ	<0.39U
4-CHLOROANILINE	106-47-8	NA								<3.8UJ	<0.39U
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	NA								<3.8UJ	<0.39U
4-METHYLPHENOL (P-CRESOL)	106-44-5	1000								<3.8UJ	<0.39U
4-NITROANILINE	100-01-6	NA								<9.2UJ	<0.94U
4-NITROPHENOL	100-02-7	NA								<9.2UJ	<0.94U
BIS(2-CHLOROETHOXY)METHANE	111-91-1	NA								<3.8UJ	<0.39U
BIS(2-CHLOROETHYL) ETHER	111-44-4	NA								<3.8UJ	<0.39U
BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	NA								<3.8UJ	<0.39U
BUTYLBENZYLPHTHALATE	85-68-7	NA								<3.8UJ	<0.39U
CARBAZOLE	86-74-8	NA								<3.8UJ	<0.39U
DIBENZOFURAN	132-64-9	1000								<3.8UJ	<0.39U
DIETHYL PHTHALATE	84-66-2	NA								<3.8UJ	<0.39U
DIMETHYLPHTHALATE	131-11-3	NA								<3.8UJ	<0.39U
DI-N-BUTYL PHTHALATE	84-74-2	NA								<3.8UJ	<0.39U
DI-N-OCTYL PHTHALATE	117-84-0	NA								<3.8UJ	<0.39U
HEXACHLORO-1,3-BUTADIENE	87-68-3	NA								<3.8UJ	<0.39U
HEXACHLOROBENZENE	118-74-1	12								<3.8UJ	<0.39U
HEXACHLOROCYCLOPENTADIENE	77-47-4	NA								<3.8UJ	<0.39U
HEXACHLOROETHANE	67-72-1	NA								<3.8UJ	<0.39U
ISOPHORONE	78-59-1	NA								<3.8UJ	<0.39U
NITROBENZENE	98-95-3	NA								<3.8UJ	<0.39U

Table 4.1-1
Summary of Soil Analytical Data
East Yard SWMU
Con Edison, Astoria, NY

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E32 E32CS 6/1/2005 (5'-6') R2526426 N N	E33 E33AS 6/1/2005 (1'-2') R2526426 N N	E33 E33-AS 12/1/1997 (1'-1') N N	E33 E33-BS 12/1/1997 (6'-8') N N	E33 E33CS 6/1/2005 (5'-6') R2526426 N N	E34 E34AS 6/1/2005 (1'-2') R2526426 N N	E34 E34CS 6/1/2005 (5'-6.5') R2526426 N N	N02 N02AS 11/20/1994 (1'-2') N N	N02 N02CS 11/20/1994 (7'-9') N N
N-NITROSODI-N-PROPYLAMINE	621-64-7	NA								<3.8UJ	<0.39U
N-NITROSODIPHENYLAMINE	86-30-6	NA								<3.8UJ	<0.39U
PENTACHLOROPHENOL	87-86-5	55								<9.2UJ	<0.94U
PHENOL	108-95-2	1000								<3.8UJ	<0.39U
CPAH											
BENZO(A)ANTHRACENE	56-55-3	11						0.051J	3.7	2.4J	<0.39U
BENZO(A)PYRENE	50-32-8	1.1						0.054J	4.6	2.8J	0.044J
BENZO(B)FLUORANTHENE	205-99-2	11						0.046J	3.4	4J	0.078J
BENZO(K)FLUORANTHENE	207-08-9	110						0.048J	3.4	4.8J	<0.39U
CHRYSENE	218-01-9	110						0.055J	3.7	3J	<0.39U
DIBENZ(A,H)ANTHRACENE	53-70-3	1.1						<0.35U	0.74J	0.49J	<0.39U
INDENO(1,2,3-CD)PYRENE	193-39-5	11						0.037J	2.4	2.2J	0.068J
Non-CPAH											
2-METHYLNAPHTHALENE	91-57-6	NA								<3.8UJ	<0.39U
ACENAPHTHENE	83-32-9	1000						<0.35U	0.25J	<3.8UJ	<0.39U
ACENAPHTHYLENE	208-96-8	1000						<0.35U	0.36J	0.71J	<0.39U
ANTHRACENE	120-12-7	1000						<0.35U	1.2	0.58J	<0.39U
BENZO(G,H,I)PERYLENE	191-24-2	1000						0.047J	2.5	2.4J	0.077J
FLUORANTHENE	206-44-0	1000						0.095J	7.2	3.6J	0.074J
FLUORENE	86-73-7	1000						<0.35U	0.27J	<3.8UJ	<0.39U
NAPHTHALENE	91-20-3	1000						<0.35U	0.19J	<3.8UJ	<0.39U
PHENANTHRENE	85-01-8	1000						0.059J	4.1	1.7J	0.049J
PYRENE	129-00-0	1000						0.076J	5.2	5.1J	0.065J
PCB											
AROCOLOR 1016	12674-11-2	NA	<0.19U	<3.6U			<0.68U	<0.035U	<0.19U	<2.85U	<0.039U
AROCOLOR 1221	11104-28-2	NA	<0.39U	<7.2U			<1.4U	<0.072U	<0.38U	<5.8U	<0.0792U
AROCOLOR 1232	11141-16-5	NA	<0.19U	<3.6U			<0.68U	<0.035U	<0.19U	<2.85U	<0.039U
AROCOLOR 1242	53469-21-9	NA	<0.19U	<3.6U			<0.68U	<0.035U	<0.19U	<2.85U	<0.039U
AROCOLOR 1248	12672-29-6	NA	<0.19U	<3.6U			<0.68U	<0.035U	<0.19U	<2.85U	<0.039U
AROCOLOR 1254	11097-69-1	NA	<0.19U	<3.6U			<0.68U	<0.035U	<0.19U	<2.85U	<0.039U
AROCOLOR 1260	11096-82-5	NA	0.66	15J			3.2J	0.053	<0.19U	35.17	0.0526
TOTAL PCBs	1336-36-3	25	0.66	15J			3.2J	0.053	0	35.17	0.0526
METALS											
ALUMINUM (FUME OR DUST)	7429-90-5	NA								1660	10200
ANTIMONY	7440-36-0	NA								<5.6UJ	<6.1UJ
ARSENIC	7440-38-2	16								7.2J	4.3J
BARIUM	7440-39-3	10000								140	76.3
BERYLLIUM	7440-41-7	2700								0.65	0.47
CADMIUM	7440-43-9	60								<0.43U	<0.47U
CALCIUM METAL	7440-70-2	NA								3480	1110
CHROMIUM (TOTAL)	7440-47-3	NA								18.3	14.2
COBALT	7440-48-4	NA								<5.2U	<6.6U

**Table 4.1-1
Summary of Soil Analytical Data
East Yard SWMU
Con Edison, Astoria, NY**

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E32 E32CS 6/1/2005 (5'-6') R2526426 N N	E33 E33AS 6/1/2005 (1'-2') R2526426 N N	E33 E33-AS 12/1/1997 (1'-1') N N	E33 E33-BS 12/1/1997 (6'-8') N N	E33 E33CS 6/1/2005 (5'-6') R2526426 N N	E34 E34AS 6/1/2005 (1'-2') R2526426 N N	E34 E34CS 6/1/2005 (5'-6.5') R2526426 N N	N02 N02AS 11/20/1994 (1'-2') N N	N02 N02CS 11/20/1994 (7'-9') N N
COPPER	7440-50-8	10000								1030	<5.9U
IRON	7439-89-6	NA								8160	19500
LEAD	7439-92-1	3900								232	15.9
MAGNESIUM	7439-95-4	NA								685	2340
MANGANESE	7439-96-5	10000								54.8	637
MERCURY	7439-97-6	5.7								0.42	<0.12U
NICKEL	7440-02-0	10000								16.8	4.3
POTASSIUM	7440-09-7	NA								<291U	<482U
SELENIUM	7782-49-2	6800								<0.9U	<0.24U
SILVER	7440-22-4	6800								<0.86U	<0.94U
SODIUM	7440-23-5	NA								393	240
THALLIUM	7440-28-0	NA								<0.23U	<0.24U
VANADIUM	7440-62-2	NA								82.6	24.6
ZINC	7440-66-6	10000								46.7	27.9
CHEMISTRY											
SOLIDS, PERCENT	SOLID	NA	86.5	92.8			96.4	93.0	88.2	86.72	84.61
TOTAL SOLIDS	TSOLIDS	NA									

Table 4.1-1
Summary of Soil Analytical Data
East Yard SWMU
Con Edison, Astoria, NY

NOTES:

1. The compound is not shown if there were no detections.
2. All standards and test results reported in mg/kg.
3. Blank cells indicate compound was not included in testing method.
4. Qualifiers for validated data are shown below:
 - J Qualifier - the analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample;
 - UJ Qualifier - the analyte was not detected above the report sample quantitation limit, however the reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample;
 - R Qualifier - data is unusable due to major QC deviation;
 - B Qualifier - the analyte was detected at a concentration less than ten times the concentration detected in an associated laboratory or field blank and the reporting limit was raised to the concentration detected in the sample;
 - E Qualifier - concentration of analyte exceeds the range of the calibration curves and/or linear range of the instrument.
5. NA - Not Available; NT - Not Tested.
6. Depth shown is the mid-point of the depth range collected in feet.
7. Fraction Type: T - Total; F - Filtered.
8. Bolded result shows an exceedance of NYSDEC RSCO.
9. Astericked result indicate there were two values for that data.

Table 4.1-2
Summary of RSCO Exceedances
East Yard SWMU
Con Edison, Astoria, NY

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E01 E01AD (Dup) 5/17/1994 (0.75'-1')	E01 E01AS 5/17/1994 (0.75'-1')	E02 E02AS 5/18/1994 (0.9'-1.5')	E03 E03AS 5/18/1994 (1.5'-2')	E03 E03BS 5/19/1994 (4'-6')	E03 E03CS 5/19/1994 (8'-10')	E05 E05AD(Dup) 8/1/1995 (0.83'-2.83')	E05 E05AS 8/1/1995 (0.83'-2.83')	E05A E05AAS 6/1/2005 (1'-2') R2526426 N N	E05A E05ACS 6/1/2005 (5'-6') R2526426 N N
CPAH												
BENZO(A)ANTHRACENE	56-55-3	11										
BENZO(A)PYRENE	50-32-8	1.1	1.5J	1.5J	2.7J		13	6.5				
BENZO(B)FLUORANTHENE	205-99-2	11										
DIBENZ(A,H)ANTHRACENE	53-70-3	1.1					3.2J	1.6J				
INDENO(1,2,3-CD)PYRENE	193-39-5	11										
PCB												
TOTAL PCBs	1336-36-3	25	49.78	49.69		53.58			1079J	1021J	840J	2200J

Table 4.1-2
Summary of RSCO Exceedances
East Yard SWMU
Con Edison, Astoria, NY

Location ID: Sample ID: Date Collected: Depth: Lab ID: Type: Fraction:	CAS Number	NYSDEC RSCO (mg/kg)	E15 E15AS 8/2/1995 (0.83'-2.83')	E20 E20AS 8/2/1995 (0.83'-1.33')	E29 E29AS 6/1/2005 (1'-2')	E29 E29CS 6/1/2005 (5.5'-7')	E30 E30CD 6/1/2005 (5'-6')	E30 E30CS 6/1/2005 (5'-6')	E31 E31CS 6/1/2005 (5'-6.5')	E34 E34CS 6/1/2005 (5'-6.5')	N02 N02AS 11/20/1994 (1'-2')
			N N	N N	N N	N N	FD N	N N	N N	N N	N N
CPAH											
BENZO(A)ANTHRACENE	56-55-3	11				31					
BENZO(A)PYRENE	50-32-8	1.1			6.4	32			2.8	4.6	2.8J
BENZO(B)FLUORANTHENE	205-99-2	11				26					
DIBENZ(A,H)ANTHRACENE	53-70-3	1.1			1.3	5.9					
INDENO(1,2,3-CD)PYRENE	193-39-5	11				16					
PCB											
TOTAL PCBs	1336-36-3	25	1515J	27.96J			35	26			35.17

Table 4.41-1
Summary of Sitewide Ground Water Analytical Data
Con Edison, Astoria, NY

Location ID: Sample ID: Date Collected: Lab ID: Type: Fraction:	CAS Number	F29 F29F 3/14/2003 N N	F29 F29FF 3/14/2003 N D	F29 F29ZD_0201 2/8/2001 FD D	F29 F29ZD_0201 2/8/2001 FD N	F29 F29ZS 3/1/1996 N N	F29 F29ZS_0201 2/8/2001 N D	F29 F29ZS_0201 2/8/2001 N N	F30 F30ZS 3/2/1996 N N	F30 F30ZS_0201 2/8/2001 N D	F30 F30ZS_0201 2/8/2001 N N	F88 F88ZS 11/1/2005 R2528549 N N	N01 N01ZS 12/6/1994 N D	N01 N01ZS 12/6/1994 N N	N02 N02ZS 12/6/1994 N D	N02 N02ZS 12/6/1994 N N
VOC																
1,1,1-TRICHLOROETHANE	71-55-6					<10U			<10U					<10U		<10U
1,1,2,2-TETRACHLOROETHANE	79-34-5					<10U			<10U					<10U		<10U
1,1,2-TRICHLOROETHANE	79-00-5					<10U			<10U					<10U		<10U
1,1-DICHLOROETHANE	75-34-3					<10U			<10U					<10U		<10U
1,1-DICHLOROETHENE	75-35-4					<10U			<10U					<10U		<10U
1,2-DICHLOROETHANE	107-06-2					<10U			<10U					<10U		<10U
1,2-DICHLOROETHENE (TOTAL)	540-59-0					<10U			<10U					<10U		<10U
1,2-DICHLOROPROPANE	78-87-5					<10U			<10U					<10U		<10U
2-BUTANONE	78-93-3					<10U			<10UJ					<10U		<10U
2-HEXANONE	591-78-6					<10U			<10UJ					<10U		<10U
4-METHYL-2-PENTANONE (MIBK)	108-10-1					<10U			<10U					<10U		<10U
ACETONE	67-64-1					<10UJ			<10U					<10U		21
BENZENE	71-43-2					<10U			<10U					20		<10U
BROMODICHLOROMETHANE	75-27-4					<10U			<10U					<10U		<10U
BROMOFORM	75-25-2					<10U			<10U					<10U		<10U
BROMOMETHANE	74-83-9					<10U			<10U					<10U		<10U
CARBON DISULFIDE	75-15-0					<10U			<10U					<10U		<10U
CARBON TETRACHLORIDE	56-23-5					<10U			<10U					<10U		<10U
CHLOROBENZENE	108-90-7					<10U			<10U					<10U		<10U
CHLORODIBROMOMETHANE	124-48-1					<10U			<10U					<10U		<10U
CHLOROETHANE	75-00-3					<10U			<10U					<10U		<10U
CHLOROFORM	67-66-3				0.5J	1J		0.6J	<10U		10U			<10U		<10U
CHLOROMETHANE (METHYL CHLORIDE)	74-87-3					<10U			<10U					<10U		<10U
CIS-1,3-DICHLOROPROPENE	10061-01-5					<10U			<10U					<10U		<10U
DICHLOROMETHANE	75-09-2				10U	<10U		10U	<10U		10U			<10U		<10U
ETHYLBENZENE	100-41-4				10U	<10U		10U	1J		10U			<10U		1J
STYRENE	100-42-5					<10U			<10U					<10U		80
TETRACHLOROETHENE	127-18-4					<10U			<10U					<10U		<10U
TOLUENE	108-88-3					<10U			<10U					6J		<10U
TRANS-1,3-DICHLOROPROPENE	10061-02-6					<10U			<10U					<10U		<10U
TRICHLOROETHENE	79-01-6					<10U			<10U					<10U		<10U
VINYL CHLORIDE	75-01-4					<10U			<10U					<10U		<10U
XYLENES (TOTAL)	1330-20-7					<10U			<10U					6J		<10U
SVOC																
1,2,4-TRICHLOROBENZENE	120-82-1					<10U			<10U					<10UJ		<10U
1,2-DICHLOROBENZENE	95-50-1					<10U			<10U					<10UJ		<10U
1,3-DICHLOROBENZENE	541-73-1					<10U			<10U					<10UJ		<10U
1,4-DICHLOROBENZENE	106-46-7					<10U			<10U					<10UJ		<10U
2,2-OXYBIS(1-CHLOROPROPANE)	108-60-1					<10UJ			<10U					<10UJ		<10U

Table 4.41-1
Summary of Sitewide Ground Water Analytical Data
Con Edison, Astoria, NY

Location ID: Sample ID: Date Collected: Lab ID: Type:	CAS Number	F29 F29F 3/14/2003 N	F29 F29FF 3/14/2003 N	F29 F29ZD_0201 2/8/2001 FD	F29 F29ZD_0201 2/8/2001 FD	F29 F29ZS 3/1/1996 N	F29 F29ZS_0201 2/8/2001 N	F29 F29ZS_0201 2/8/2001 N	F30 F30ZS 3/2/1996 N	F30 F30ZS_0201 2/8/2001 N	F30 F30ZS_0201 2/8/2001 N	F88 F88ZS 11/1/2005 R2528549 N	N01 N01ZS 12/6/1994 N	N01 N01ZS 12/6/1994 N	N02 N02ZS 12/6/1994 N	N02 N02ZS 12/6/1994 N
2,4,5-TRICHLOROPHENOL	95-95-4					<25U			<25U					<25U		<25U
2,4,6-TRICHLOROPHENOL	88-06-2					<10U			<10U					<10U		<10U
2,4-DICHLOROPHENOL	120-83-2					<10U			<10U					<10U		<10U
2,4-DIMETHYLPHENOL	105-67-9					<10U			<10U					12		<10U
2,4-DINITROPHENOL	51-28-5					<25UJ			<25UJ					<25U		<25U
2,4-DINITROTOLUENE	121-14-2					<10U			<10U					<10UJ		<10U
2,6-DINITROTOLUENE	606-20-2					<10U			<10U					<10UJ		<10U
2-CHLORONAPHTHALENE	91-58-7					<10U			<10U					<10UJ		<10U
2-CHLOROPHENOL	95-57-8					<10U			<10U					<10U		<10U
2-METHYLPHENOL	95-48-7					<10U			<10U					20		<10U
2-NITROANILINE	88-74-4					<25U			<25U					<25UJ		<25U
2-NITROPHENOL	88-75-5					<10U			<10U					<10U		<10U
3,3-DICHLORO BENZIDINE	91-94-1					<10UJ			<10U					<10UJ		<10U
3-NITROANILINE	99-09-2					<25U			<25U					<25UJ		<25U
4,6-DINITRO-2-METHYLPHENOL	534-52-1					<25UJ			<25UJ					<25U		<25U
4-BROMOPHENYL PHENYL ETHER	101-55-3					<10U			<10U					<10UJ		<10U
4-CHLORO-3-METHYLPHENOL	59-50-7					<10U			<10U					<10U		<10U
4-CHLOROANILINE	106-47-8					<10U			<10U					<10UJ		<10U
4-CHLOROPHENYL PHENYL ETHER	7005-72-3					<10U			<10U					<10UJ		<10U
4-METHYLPHENOL (P-CRESOL)	106-44-5					<10U			<10U					24		<10U
4-NITROANILINE	100-01-6					<25U			<25U					<25UJ		<25U
4-NITROPHENOL	100-02-7					<25U			<25U					<25U		<25U
BIS(2-CHLOROETHOXY)METHANE	111-91-1					<10U			<10U					<10UJ		<10U
BIS(2-CHLOROETHYL) ETHER	111-44-4					<10U			<10U					<10UJ		<10U
BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7				11U	<10U		10U	<10U		10U			<10UJ		<10U
BUTYLBENZYL PHTHALATE	85-68-7					<10U			<10U					<10UJ		<10U
CARBAZOLE	86-74-8					<10U			<10U					13J		2J
DIBENZOFURAN	132-64-9					<10U			<10U					5J		1J
DIETHYL PHTHALATE	84-66-2				11U	<10U		10U	<10U		10U			<10UJ		<10U
DIMETHYL PHTHALATE	131-11-3					<10U			<10U					<10UJ		<10U
DI-N-BUTYL PHTHALATE	84-74-2					<10U			<10U					<10UJ		<10U
DI-N-OCTYL PHTHALATE	117-84-0					<10U			<10U					<10UJ		<10U
HEXACHLORO-1,3-BUTADIENE	87-68-3					<10U			<10U					<10UJ		<10U
HEXACHLOROBENZENE	118-74-1					<10U			<10U					<10UJ		<10U
HEXACHLOROCYCLOPENTADIENE	77-47-4					<10UJ			<10UJ					<10UJ		<10U
HEXACHLOROETHANE	67-72-1					<10U			<10U					<10UJ		<10U
ISOPHORONE	78-59-1					<10U			<10U					<10UJ		<10U
NITROBENZENE	98-95-3					<10U			<10U					<10UJ		<10U
N-NITROSODI-N-PROPYLAMINE	621-64-7					<10UJ			<10U					<10UJ		<10U
N-NITROSODIPHENYLAMINE	86-30-6					<10U			<10U					<10UJ		<10U
PENTACHLOROPHENOL	87-86-5					<25U			<25UJ					<25U		<25U
PHENOL	108-95-2					<10U			<10U					34		<10U

Table 4.41-1 Summary of Sitewide Ground Water Analytical Data Con Edison, Astoria, NY																
Location ID: Sample ID: Date Collected: Lab ID: Type: CPAH	CAS Number	F29 F29F 3/14/2003 N	F29 F29FF 3/14/2003 N	F29 F29ZD_0201 2/8/2001 FD	F29 F29ZD_0201 2/8/2001 FD	F29 F29ZS 3/1/1996 N	F29 F29ZS_0201 2/8/2001 N	F29 F29ZS_0201 2/8/2001 N	F30 F30ZS 3/2/1996 N	F30 F30ZS_0201 2/8/2001 N	F30 F30ZS_0201 2/8/2001 N	F88 F88ZS 11/1/2005 R2528549 N	N01 N01ZS 12/6/1994 N	N01 N01ZS 12/6/1994 N	N02 N02ZS 12/6/1994 N	N02 N02ZS 12/6/1994 N
BENZO(A)ANTHRACENE	56-55-3					<10U			<10U					9J		<10U
BENZO(A)PYRENE	50-32-8					<10U			<10U					13J		1J
BENZO(B)FLUORANTHENE	205-99-2					<10U			<10U					14J		2J
BENZO(K)FLUORANTHENE	207-08-9					<10U			<10U					5J		<10U
CHRYSENE	218-01-9					<10U			<10U					9J		1J
DIBENZ(A,H)ANTHRACENE	53-70-3					<10U			<10U					2J		<10U
INDENO(1,2,3-CD)PYRENE	193-39-5					<10U			<10U					7J		<10U
Non-CPAH																
2-METHYLNAPHTHALENE	91-57-6					<10U			<10U					5J		<10U
ACENAPHTHENE	83-32-9					<10U			<10U					3J		<10U
ACENAPHTHYLENE	208-96-8					<10U			<10U					10J		<10U
ANTHRACENE	120-12-7					<10U			<10U					7J		<10U
BENZO(G,H,I)PERYLENE	191-24-2					<10U			<10U					7J		<10U
FLUORANTHENE	206-44-0					<10U			<10U					22J		5J
FLUORENE	86-73-7					<10U			<10U					5J		<10U
NAPHTHALENE	91-20-3					<10U			<10U					25J		<10U
PHENANTHRENE	85-01-8					<10U			<10U					23J		5J
PYRENE	129-00-0					<10U			<10U					20J		4J
PCB																
AROCLOR 1016	12674-11-2					<1U			<1U			<0.93U		<1U		<1U
AROCLOR 1221	11104-28-2					<2U			<2U			<1.9U		<2U		<2U
AROCLOR 1232	11141-16-5					<1U			<1U			<0.93U		<1U		<1U
AROCLOR 1242	53469-21-9					<1U			<1U			<0.93U		<1U		<1U
AROCLOR 1248	12672-29-6					<1U			<1U			<0.93U		<1U		<1U
AROCLOR 1254	11097-69-1					<1U			<1U			<0.93U		<1U		<1U
AROCLOR 1260	11096-82-5					<1U			<1U			<0.93U		<1U		<1U
TOTAL PCBs	1336-36-3					0			0			0		0		0
METALS																
ALUMINUM (FUME OR DUST)	7429-90-5			<24U	<24U	<53U	<24U	<24U	<53U	<24U	<24U		<21U	145000J	<21U	20100J
ANTIMONY	7440-36-0					<30U			<30U				<26U	<26UJ	<26U	<26UJ
ARSENIC	7440-38-2			<1U		<1U			<1U				2	90J	<2U	7J
BARIUM	7440-39-3	67	66	65J	60.3J	67	66J	47.3J	82	51.5J	47.3J		45J	1490	135J	279
BERYLLIUM	7440-41-7					<1U			<1U				<1U	17	<1U	1
CADMIUM	7440-43-9					<3U			<3U				<2U	<2U	<2U	<2U
CALCIUM METAL	7440-70-2	72	71	70J	65J	60900	71J	82800J	96100	89J	82J		42000	88800	84700	83800
CHROMIUM (TOTAL)	7440-47-3			<1U	<1U	<6U	<1U	<1U	<6U	<1U	<1U		<3UJ	293J	<3UJ	58J
COBALT	7440-48-4			<1U	<1U	<5U	<1U	<1U	<5U	<1U	<1U		<3U	59	<3U	<15U
COPPER	7440-50-8			<1UJ	1J	<5U	<1UJ	1J	<3U	1J	1J		<4U	366J	<4U	41J
IRON	7439-89-6			<6UJ	6	<63U	<6UJ	6	<63U	<6UJ	<6U		1760J	215000J	<164U	<30200U
LEAD	7439-92-1			<2U	<2U	<1U	<2U	<2U	<1U	<2U	<2U		<1U	1500J	<1U	<22U
MAGNESIUM	7439-95-4	19	18	21J	19J	17700	21J	28500J	30100	31J	28J		11200	36200J	12200	17000J
MANGANESE	7439-96-5			<1U	2J	<3U	<1.6U	2.3J	<3U	1.5	1.6J		686J	3450J	19600J	19700J
MERCURY	7439-97-6					<0.04U			<0.08U				<0.2U	0.68	<0.2U	<0.2U
NICKEL	7440-02-0			<1U	<1U	<12U	<1U	<1U	<12U	<1U	<1U		<9U	220	<9U	24
POTASSIUM	7440-09-7	1	2	2J	1J	1180	2J	3120J	1960	3J	3J		1690	7630	5060	7110
SELENIUM	7782-49-2					<2U			<2U				<1U	R	<1U	R
SILVER	7440-22-4					R			R				<4U	<4U	<4U	<4U
SODIUM	7440-23-5	42	43	48J	43J	53600	47J	73900J	199000	80J	73J		25000	27500	508000	488000
THALLIUM	7440-28-0			<9.7U	<7.7U	<1U	<9.7U	<5U	<1UJ	<5U	<5U		<1U	<1UJ	<1UJ	<1UJ
VANADIUM	7440-62-2			<1U	<1U	<6U	<1U	<1U	<6U	<1U	<1U		<2U	397	<2U	44
ZINC	7440-66-6			<1.2U	<4.4U	<5U	<1.2U	<3.9U	<5U	<2.6U	<5.3U		<4U	1440J	<11U	92J

Appendix D

Data Validation Forms

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E35 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-001ASample wt/vol: 15 (g/mL) gLab File ID: a00573.raw% Moisture: 14 Decanted: (Y/N) NDate Received: 01/25/12Extraction: (Type) PFEXDate Extracted: 01/26/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 01/31/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	38	~~UX~~ <u>UJ</u>
11104-28-2	Aroclor 1221	78	U
11141-16-5	Aroclor 1232	38	~~UX~~ <u>UJ</u>
53469-21-9	Aroclor 1242	38	~~UX~~ <u>UJ</u>
12672-29-6	Aroclor 1248	38	~~UX~~ <u>UJ</u>
~~11097-69-1~~	~~Aroclor 1254~~	~~4900~~	~~EP~~
~~11096-82-5~~	~~Aroclor 1260~~	~~630~~	~~BZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E35 ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-001ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00701.raw

% Moisture: 14 Decanted: (Y/N) N

Date Received: 01/25/12

Extraction: (Type) PFX

Date Extracted: 01/26/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 02/03/12

Injection Volume: 0.5 (uL)

Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~1900~~	~~U~~
11104-28-2	Aroclor 1221	3900	U
11141-16-5	Aroclor 1232	1900	U
53469-21-9	Aroclor 1242	1900	U
~~12672-29-6~~	~~Aroclor 1248~~	~~1900~~	~~U~~
11097-69-1	Aroclor 1254	7200	~~BY J~~
11096-82-5	Aroclor 1260	25000	~~D~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E35 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-002ASample wt/vol: 15 (g/mL) gLab File ID: a00574.raw% Moisture: 16 Decanted: (Y/N) NDate Received: 01/25/12Extraction: (Type) PFEXDate Extracted: 01/26/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 01/31/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	39	~~UX~~ <u>45</u>
11104-28-2	Aroclor 1221	79	U
11141-16-5	Aroclor 1232	39	~~UX~~ <u>45</u>
53469-21-9	Aroclor 1242	39	~~UX~~ <u>45</u>
12672-29-6	Aroclor 1248	39	~~UX~~ <u>45</u>
~~11097-69-1~~	~~Aroclor 1254~~	~~640~~	~~EZ~~
~~11096-82-5~~	~~Aroclor 1260~~	~~640~~	~~EZ~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E35 BSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-002ADLSample wt/vol: 15 (g/mL) MLLab File ID: a00704.raw% Moisture: 16 Decanted: (Y/N) NDate Received: 01/25/12Extraction: (Type) PFEXDate Extracted: 01/26/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 02/03/12Injection Volume: 0.5 (uL)Dilution Factor: 1,000.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~39000~~	~~U~~
11104-28-2	Aroclor 1221	79000	U
11141-16-5	Aroclor 1232	39000	U
53469-21-9	Aroclor 1242	39000	U
~~12672-29-6~~	~~Aroclor 1248~~	~~39000~~	~~U~~
11097-69-1	Aroclor 1254	110000	~~U~~ DI J
11096-82-5	Aroclor 1260	350000	~~U~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E36 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-003ASample wt/vol: 15 (g/mL) gLab File ID: a00694.raw% Moisture: 4.5 Decanted: (Y/N) NDate Received: 01/25/12Extraction: (Type) PFEDate Extracted: 01/26/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 02/03/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	210	~~U~~ <u>U</u>

OK 2/13/12

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E36 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-004A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00578.raw

% Moisture: 8.2 Decanted: (Y/N) N

Date Received: 01/25/12

Extraction: (Type) PFEEX

Date Extracted: 01/26/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/31/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	U
~~11096-82-5~~	~~Aroclor 1260~~	~~2500~~	~~U~~ UX UJ

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E36 BSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-004ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00698.raw

% Moisture: 8.2 Decanted: (Y/N) N

Date Received: 01/25/12

Extraction: (Type) PFEX

Date Extracted: 01/26/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 02/03/12

Injection Volume: 0.5 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~360~~	~~U~~
11104-28-2	Aroclor 1221	730	U
11141-16-5	Aroclor 1232	360	U
53469-21-9	Aroclor 1242	360	U
12672-29-6	Aroclor 1248	360	U
~~11097-69-1~~	~~Aroclor 1254~~	~~360~~	~~UX~~
11096-82-5	Aroclor 1260	2800	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E37 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-005A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00579.raw

% Moisture: 7.2 Decanted: (Y/N) N

Date Received: 01/25/12

Extraction: (Type) PFEX

Date Extracted: 01/26/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/31/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	72	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	U
11096-82-5	Aroclor 1260	220	

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E37 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-006ASample wt/vol: 15 (g/mL) gLab File ID: a00580.raw% Moisture: 10 Decanted: (Y/N) NDate Received: 01/25/12Extraction: (Type) PFEXDate Extracted: 01/26/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 01/31/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	75	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	U
11096-82-5	Aroclor 1260	37	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E38 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-007A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00581.raw

% Moisture: 12 Decanted: (Y/N) N

Date Received: 01/25/12

Extraction: (Type) PFEX

Date Extracted: 01/26/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/31/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	Q
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	76	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	UX <u>43</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~730~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E38 ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-007ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00697.raw

% Moisture: 12 Decanted: (Y/N) N

Date Received: 01/25/12

Extraction: (Type) PFEX

Date Extracted: 01/26/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 02/03/12

Injection Volume: 0.5 (uL)

Dilution Factor: 2.00

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~75~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~150~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~75~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~75~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~75~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~75~~	~~U~~
11096-82-5	Aroclor 1260	820	~~U~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E38 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-008ASample wt/vol: 15 (g/mL) gLab File ID: a00582.raw% Moisture: 14 Decanted: (Y/N) NDate Received: 01/25/12Extraction: (Type) PFEXDate Extracted: 01/26/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 01/31/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH:Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	78	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	39	~~U~~ U
11096-82-5	Aroclor 1260	270	

Handwritten: 2/13/12

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E39 AD

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-009A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00583.raw

% Moisture: 14 Decanted: (Y/N) N

Date Received: 01/25/12

Extraction: (Type) PFEX

Date Extracted: 01/26/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/31/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	78	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	~~UX~~ UJ
11096-82-5	Aroclor 1260	530	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E39 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-010A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00584.raw

% Moisture: 14 Decanted: (Y/N) N

Date Received: 01/25/12

Extraction: (Type) PFEX

Date Extracted: 01/26/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/31/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	78	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	39	U
11096-82-5	Aroclor 1260	530	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E39 BD

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-011A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00585.raw

% Moisture: 9.7 Decanted: (Y/N) N

Date Received: 01/25/12

Extraction: (Type) PFEX

Date Extracted: 01/26/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/31/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	U
11096-82-5	Aroclor 1260	210	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E39 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-012A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00586.raw

% Moisture: 14 Decanted: (Y/N) N

Date Received: 01/25/12

Extraction: (Type) PFEX

Date Extracted: 01/26/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/31/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	Q
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	78	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	U
11096-82-5	Aroclor 1260	210	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E40 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-013A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00587.raw

% Moisture: 12 Decanted: (Y/N) N

Date Received: 01/25/12

Extraction: (Type) PFEX

Date Extracted: 01/26/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/31/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	37	~~UX~~ <u>UJ</u>
11104-28-2	Aroclor 1221	76	U
11141-16-5	Aroclor 1232	37	~~UX~~ <u>UJ</u>
53469-21-9	Aroclor 1242	37	~~UX~~ <u>UJ</u>
12672-29-6	Aroclor 1248	37	~~UX~~ <u>UJ</u>
~~11097-69-1~~	~~Aroclor 1254~~	~~4900~~	~~EP~~
~~11096-82-5~~	~~Aroclor 1260~~	~~610~~	~~EZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E40 ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-013ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00702.raw

% Moisture: 12 Decanted: (Y/N) N

Date Received: 01/25/12

Extraction: (Type) PFEX

Date Extracted: 01/26/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 02/03/12

Injection Volume: 0.5 (uL)

Dilution Factor: 200.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~7500~~	~~U~~
11104-28-2	Aroclor 1221	15000	U
11141-16-5	Aroclor 1232	7500	U
53469-21-9	Aroclor 1242	7500	U
~~12672-29-6~~	~~Aroclor 1248~~	~~7500~~	~~U~~
11097-69-1	Aroclor 1254	13000	DY J
11096-82-5	Aroclor 1260	72000	D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E40 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-014ASample wt/vol: 15 (g/mL) gLab File ID: a00588.raw% Moisture: 11 Decanted: (Y/N) NDate Received: 01/25/12Extraction: (Type) PFEXDate Extracted: 01/26/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 01/31/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH:Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	75	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	UX UJ
~~11096-82-5~~	~~Aroclor 1260~~	~~4200~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E40 BSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-014ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00700.raw

% Moisture: 11 Decanted: (Y/N) N

Date Received: 01/25/12

Extraction: (Type) PFEX

Date Extracted: 01/26/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 02/03/12

Injection Volume: 0.5 (uL)

Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~740~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~1500~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~740~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~740~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~740~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~740~~	~~UK~~
~~11096-82-5~~	~~Aroclor 1260~~	~~5600~~	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E41 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-015A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00589.raw

% Moisture: 9.6 Decanted: (Y/N) N

Date Received: 01/25/12

Extraction: (Type) PFEX

Date Extracted: 01/26/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/31/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	~~UX~~ <u>UJ</u>
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	36	~~UX~~ <u>UJ</u>
53469-21-9	Aroclor 1242	36	~~UX~~ <u>UJ</u>
12672-29-6	Aroclor 1248	36	~~UX~~ <u>UJ</u>
~~11097-69-1~~	~~Aroclor 1254~~	~~590~~	~~EZ~~
~~11096-82-5~~	~~Aroclor 1260~~	~~590~~	~~EZ~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E41 ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-015ADLSample wt/vol: 15 (g/mL) MLLab File ID: a00703.raw% Moisture: 9.6 Decanted: (Y/N) NDate Received: 01/25/12Extraction: (Type) PFEXDate Extracted: 01/26/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 02/03/12Injection Volume: 0.5 (uL)Dilution Factor: 500.00GPC Cleanup: (Y/N) N pH:Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~18000~~	~~U~~
11104-28-2	Aroclor 1221	37000	U
11141-16-5	Aroclor 1232	18000	U
53469-21-9	Aroclor 1242	18000	U
~~12672-29-6~~	~~Aroclor 1248~~	~~18000~~	~~U~~
11097-69-1	Aroclor 1254	29000	DY J
11096-82-5	Aroclor 1260	140000	D

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E41 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-016A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00590.raw

% Moisture: 11 Decanted: (Y/N) N

Date Received: 01/25/12

Extraction: (Type) PFEX

Date Extracted: 01/26/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/31/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	75	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	UX <u>US</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~3100~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E41 BSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-016ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00699.raw

% Moisture: 11 Decanted: (Y/N) N

Date Received: 01/25/12

Extraction: (Type) PFEEX

Date Extracted: 01/26/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 02/03/12

Injection Volume: 0.5 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~370~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~750~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~370~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~370~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~370~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~370~~	~~UX~~
11096-82-5	Aroclor 1260	3600	

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E56AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161Matrix: (soil/water) SOILLab Sample ID: 1203531-001ASample wt/vol: 15 (g/mL) gLab File ID: a00175.raw% Moisture: 12 Decanted: (Y/N) NDate Received: 03/14/12Extraction: (Type) PFEXDate Extracted: 03/14/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/15/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH:Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	76	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	UX <u>45</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~9800~~	~~EP~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E56ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161Matrix: (soil/water) SOILLab Sample ID: 1203531-001ADLSample wt/vol: 15 (g/mL) gLab File ID: a00179.raw% Moisture: 12 Decanted: (Y/N) NDate Received: 03/14/12Extraction: (Type) PFEXDate Extracted: 03/14/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/15/12Injection Volume: 0.5 (uL)Dilution Factor: 25.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~940~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~1900~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~940~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~940~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~940~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~940~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~10000~~	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E53AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203578-001A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00199.raw

% Moisture: 14 Decanted: (Y/N) N

Date Received: 03/15/12

Extraction: (Type) PFEX

Date Extracted: 03/15/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/16/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	38	~~UX~~ <u>US</u>
11104-28-2	Aroclor 1221	78	<u>U</u>
11141-16-5	Aroclor 1232	38	~~UX~~ <u>US</u>
53469-21-9	Aroclor 1242	38	~~UX~~ <u>US</u>
12672-29-6	Aroclor 1248	38	~~UX~~ <u>US</u>
~~11097-69-1~~	~~Aroclor 1254~~	~~4200~~	~~EY~~
~~11096-82-5~~	~~Aroclor 1260~~	~~620~~	~~EZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E53ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203578-001ADL

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00202.raw

% Moisture: 14 Decanted: (Y/N) N

Date Received: 03/15/12

Extraction: (Type) PFEX

Date Extracted: 03/15/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/16/12

Injection Volume: 0.5 (uL)

Dilution Factor: 25.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~960~~	~~UX~~
11104-28-2	Aroclor 1221	1900	U
11141-16-5	Aroclor 1232	960	UX
53469-21-9	Aroclor 1242	960	UX
~~12672-29-6~~	~~Aroclor 1248~~	~~960~~	~~UX~~
11097-69-1	Aroclor 1254	4200	DY J
11096-82-5	Aroclor 1260	14000	D J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E54AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203578-002A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00200.raw

% Moisture: 8.3 Decanted: (Y/N) N

Date Received: 03/15/12

Extraction: (Type) PFEX

Date Extracted: 03/15/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/16/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
~~11097-69-1~~	~~Aroclor 1254~~	~~850~~	~~EY~~
~~11096-82-5~~	~~Aroclor 1260~~	~~3100~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E54ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203578-002ADL

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00203.raw

% Moisture: 8.3 Decanted: (Y/N) N

Date Received: 03/15/12

Extraction: (Type) PFEX

Date Extracted: 03/15/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/16/12

Injection Volume: 0.5 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~360~~	~~U~~
11104-28-2	Aroclor 1221	730	U
11141-16-5	Aroclor 1232	360	U
53469-21-9	Aroclor 1242	360	U
~~12672-29-6~~	~~Aroclor 1248~~	~~360~~	~~U~~
11097-69-1	Aroclor 1254	950	DY J
11096-82-5	Aroclor 1260	3700	D J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E55AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203578-003A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00201.raw

% Moisture: 12 Decanted: (Y/N) N

Date Received: 03/15/12

Extraction: (Type) PFEX

Date Extracted: 03/15/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/16/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	76	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	1500	~~UX~~ <u>UJ</u>
11096-82-5	Aroclor 1260	5400	~~EY~~
			~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E55ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203578-003ADL

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00204.raw

% Moisture: 12 Decanted: (Y/N) N

Date Received: 03/15/12

Extraction: (Type) PPEX

Date Extracted: 03/15/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/16/12

Injection Volume: 0.5 (uL)

Dilution Factor: 25.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~930~~	~~U~~
11104-28-2	Aroclor 1221	1900	U
11141-16-5	Aroclor 1232	930	U
53469-21-9	Aroclor 1242	930	U
~~12672-29-6~~	~~Aroclor 1248~~	~~930~~	~~U~~
11097-69-1	Aroclor 1254	2200	~~DY~~ J
11096-82-5	Aroclor 1260	6400	~~D~~ J

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E57AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161Matrix: (soil/water) SOILLab Sample ID: 1203613-001ASample wt/vol: 15 (g/mL) gLab File ID: a00212.raw% Moisture: 10 Decanted: (Y/N) NDate Received: 03/16/12Extraction: (Type) PFEXDate Extracted: 03/16/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/19/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	75	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	UX <u>US</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~600~~	~~EZ~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E57ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161Matrix: (soil/water) SOILLab Sample ID: 1203613-001ADLSample wt/vol: 15 (g/mL) gLab File ID: a00269.raw% Moisture: 10 Decanted: (Y/N) NDate Received: 03/16/12Extraction: (Type) PFEXDate Extracted: 03/16/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/20/12Injection Volume: 0.5 (uL)Dilution Factor: 1,000.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~37000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~75000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~37000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~37000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~37000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~37000~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~350000~~	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E57BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203613-002A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00214.raw

% Moisture: 3.8 Decanted: (Y/N) N

Date Received: 03/16/12

Extraction: (Type) PFEX

Date Extracted: 03/16/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/19/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	~~UX~~ <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~1300~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E57BSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203613-002ADL

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00255.raw

% Moisture: 3.8 Decanted: (Y/N) N

Date Received: 03/16/12

Extraction: (Type) PFEX

Date Extracted: 03/16/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/20/12

Injection Volume: 0.5 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~170~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~350~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~170~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~170~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~170~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~170~~	~~UK~~
~~11096-82-5~~	~~Aroclor 1260~~	~~1300~~	~~D~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E58AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161Matrix: (soil/water) SOILLab Sample ID: 1203613-003ASample wt/vol: 15 (g/mL) gLab File ID: a00215.raw% Moisture: 8.2 Decanted: (Y/N) NDate Received: 03/16/12Extraction: (Type) PFEXDate Extracted: 03/16/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/19/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	UX <u>45</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~580~~	~~EZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E58ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203613-003ADL

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00256.raw

% Moisture: 8.2 Decanted: (Y/N) N

Date Received: 03/16/12

Extraction: (Type) PFEX

Date Extracted: 03/16/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/20/12

Injection Volume: 0.5 (uL)

Dilution Factor: 250.00

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~9000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~18000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~9000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~9000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~9000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~9000~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~130000~~	~~D~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E59AD

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161Matrix: (soil/water) SOILLab Sample ID: 1203613-004ASample wt/vol: 15 (g/mL) gLab File ID: a00216.raw% Moisture: 8.7 Decanted: (Y/N) NDate Received: 03/16/12Extraction: (Type) PFEXDate Extracted: 03/16/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/19/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	UX <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~590~~	~~EZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E59ADDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203613-004ADL

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00259.raw

% Moisture: 8.7 Decanted: (Y/N) N

Date Received: 03/16/12

Extraction: (Type) PFEX

Date Extracted: 03/16/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/20/12

Injection Volume: 0.5 (uL)

Dilution Factor: 500.00

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~18000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~37000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~18000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~18000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~18000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~18000~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~180000~~	~~D~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E59AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161Matrix: (soil/water) SOILLab Sample ID: 1203613-005ASample wt/vol: 15 (g/mL) gLab File ID: a00217.raw% Moisture: 8.8 Decanted: (Y/N) NDate Received: 03/16/12Extraction: (Type) PFEXDate Extracted: 03/16/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/19/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	UX <u>US</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~590~~	~~EZ~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E59ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161Matrix: (soil/water) SOILLab Sample ID: 1203613-005ADLSample wt/vol: 15 (g/mL) gLab File ID: a00257.raw% Moisture: 8.8 Decanted: (Y/N) NDate Received: 03/16/12Extraction: (Type) PFEXDate Extracted: 03/16/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/20/12Injection Volume: 0.5 (uL)Dilution Factor: 250.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~9100~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~18000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~9100~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~9100~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~9100~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~9100~~	~~UX~~
11096-82-5	Aroclor 1260	150000	Ø

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E51AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161Matrix: (soil/water) SOILLab Sample ID: 1203658-001ASample wt/vol: 15 (g/mL) gLab File ID: a00262.raw% Moisture: 8.3 Decanted: (Y/N) NDate Received: 03/19/12Extraction: (Type) PFEXDate Extracted: 03/19/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/20/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	~~UX~~ <u>4J</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~590~~	~~EZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E51ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203658-001ADL

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00267.raw

% Moisture: 8.3 Decanted: (Y/N) N

Date Received: 03/19/12

Extraction: (Type) PFEX

Date Extracted: 03/19/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/20/12

Injection Volume: 0.5 (uL)

Dilution Factor: 500.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~18000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~37000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~18000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~18000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~18000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~18000~~	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~12000~~	~~DPJ J~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E50AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203720-001A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00287.raw

% Moisture: 11 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/20/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/21/12

Injection Volume: 0.5 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N

pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	370	U
11104-28-2	Aroclor 1221	750	U
11141-16-5	Aroclor 1232	370	U
53469-21-9	Aroclor 1242	370	U
12672-29-6	Aroclor 1248	370	U
11097-69-1	Aroclor 1254	370	UX <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~88000~~	~~DEP~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E50ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203720-001ADL

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00303.raw

% Moisture: 11 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/20/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/21/12

Injection Volume: 0.5 (uL)

Dilution Factor: 200.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~7400~~	~~U~~
11104-28-2	Aroclor 1221	15000	U
11141-16-5	Aroclor 1232	7400	U
53469-21-9	Aroclor 1242	7400	U
12672-29-6	Aroclor 1248	7400	U
~~11097-69-1~~	~~Aroclor 1254~~	~~7400~~	~~UX~~
11096-82-5	Aroclor 1260	97000	~~D~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E51BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161Matrix: (soil/water) SOILLab Sample ID: 1203720-002ASample wt/vol: 15 (g/mL) gLab File ID: a00290.raw% Moisture: 6.1 Decanted: (Y/N) NDate Received: 03/20/12Extraction: (Type) PFEXDate Extracted: 03/20/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/21/12Injection Volume: 0.5 (uL)Dilution Factor: 10.00GPC Cleanup: (Y/N) NpH: 6.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	350	U
11104-28-2	Aroclor 1221	710	U
11141-16-5	Aroclor 1232	350	U
53469-21-9	Aroclor 1242	350	U
12672-29-6	Aroclor 1248	350	U
11097-69-1	Aroclor 1254	350	~~UX~~ <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~10000~~	~~DE~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E51BSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161Matrix: (soil/water) SOILLab Sample ID: 1203720-002ADLSample wt/vol: 15 (g/mL) gLab File ID: a00300.raw% Moisture: 6.1 Decanted: (Y/N) NDate Received: 03/20/12Extraction: (Type) PFEXDate Extracted: 03/20/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/21/12Injection Volume: 0.5 (uL)Dilution Factor: 30.00GPC Cleanup: (Y/N) NpH: 6.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~1100~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~2100~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~1100~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~1100~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~1100~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~1100~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~11000~~	~~B~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E51CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161Matrix: (soil/water) SOILLab Sample ID: 1203720-003ASample wt/vol: 15 (g/mL) gLab File ID: a00291.raw% Moisture: 5.7 Decanted: (Y/N) NDate Received: 03/20/12Extraction: (Type) PFEXDate Extracted: 03/20/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/21/12Injection Volume: 0.5 (uL)Dilution Factor: 10.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	350	U
11104-28-2	Aroclor 1221	710	U
11141-16-5	Aroclor 1232	350	U
53469-21-9	Aroclor 1242	350	U
12672-29-6	Aroclor 1248	350	U
11097-69-1	Aroclor 1254	350	~~UX~~ <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~9200~~	~~DE~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E51CSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203720-003ADL

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00301.raw

% Moisture: 5.7 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/20/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/21/12

Injection Volume: 0.5 (uL)

Dilution Factor: 30.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~1000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~2100~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~1000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~1000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~1000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~1000~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~10000~~	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E52AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203720-004A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00292.raw

% Moisture: 8.7 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/20/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/21/12

Injection Volume: 0.5 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	360	U
11104-28-2	Aroclor 1221	730	U
11141-16-5	Aroclor 1232	360	U
53469-21-9	Aroclor 1242	360	U
12672-29-6	Aroclor 1248	360	U
11097-69-1	Aroclor 1254	360	~~UX~~ <u>US</u>
11096-82-5	Aroclor 1260	4500	~~Ø~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E54BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203720-005A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00293.raw

% Moisture: 4.4 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/20/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/21/12

Injection Volume: 0.5 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	350	U
11104-28-2	Aroclor 1221	700	U
11141-16-5	Aroclor 1232	350	U
53469-21-9	Aroclor 1242	350	U
12672-29-6	Aroclor 1248	350	U
11097-69-1	Aroclor 1254	350	~~UX~~ <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~8700~~	~~DE~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E54BSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161Matrix: (soil/water) SOILLab Sample ID: 1203720-005ADLSample wt/vol: 15 (g/mL) gLab File ID: a00302.raw% Moisture: 4.4 Decanted: (Y/N) NDate Received: 03/20/12Extraction: (Type) PFEXDate Extracted: 03/20/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/21/12Injection Volume: 0.5 (uL)Dilution Factor: 20.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~690~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~1400~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~690~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~690~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~690~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~690~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~8300~~	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E54CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203720-006A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00294.raw

% Moisture: 3.9 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/20/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/21/12

Injection Volume: 0.5 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg)	UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~340~~	<del></del>	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~700~~	<del></del>	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~340~~	<del></del>	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~340~~	<del></del>	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~340~~	<del></del>	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~340~~	<del></del>	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~4800~~	<del></del>	~~D~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E55BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161Matrix: (soil/water) SOILLab Sample ID: 1203720-007ASample wt/vol: 15 (g/mL) gLab File ID: a00295.raw% Moisture: 3.1 Decanted: (Y/N) NDate Received: 03/20/12Extraction: (Type) PFEXDate Extracted: 03/20/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/21/12Injection Volume: 0.5 (uL)Dilution Factor: 10.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	340	U
11104-28-2	Aroclor 1221	690	U
11141-16-5	Aroclor 1232	340	U
53469-21-9	Aroclor 1242	340	U
12672-29-6	Aroclor 1248	340	U
11097-69-1	Aroclor 1254	340	U
11096-82-5	Aroclor 1260	610	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E55CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203720-008A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00296.raw

% Moisture: 8.9 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/20/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/21/12

Injection Volume: 0.5 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	360	U
11104-28-2	Aroclor 1221	740	U
11141-16-5	Aroclor 1232	360	U
53469-21-9	Aroclor 1242	360	U
12672-29-6	Aroclor 1248	360	U
11097-69-1	Aroclor 1254	360	U
11096-82-5	Aroclor 1260	340	~~U~~ J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E56BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161

Matrix: (soil/water) SOIL

Lab Sample ID: 1203720-009A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00304.raw

% Moisture: 2.9 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/20/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/21/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E56CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM161Matrix: (soil/water) SOILLab Sample ID: 1203720-010ASample wt/vol: 15 (g/mL) gLab File ID: a00305.raw% Moisture: 4.8 Decanted: (Y/N) NDate Received: 03/20/12Extraction: (Type) PFEXDate Extracted: 03/20/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/21/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	55	

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E48AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165Matrix: (soil/water) SOILLab Sample ID: 1203722-001ASample wt/vol: 15 (g/mL) gLab File ID: a00335.raw% Moisture: 12 Decanted: (Y/N) NDate Received: 03/20/12Extraction: (Type) PFEXDate Extracted: 03/21/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/22/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH:Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	76	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	~~U~~ <u>UJ</u>
11096-82-5	Aroclor 1260	320	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E49AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203722-002A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00336.raw

% Moisture: 7.5 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	1800	U
11104-28-2	Aroclor 1221	3600	U
11141-16-5	Aroclor 1232	1800	U
53469-21-9	Aroclor 1242	1800	U
12672-29-6	Aroclor 1248	1800	U
11097-69-1	Aroclor 1254	1800	UX <u>4J</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~29000~~	~~DEZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E49ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203722-002ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00351.raw

% Moisture: 7.5 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 2,000.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~71000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~140000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~71000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~71000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~71000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~71000~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~910000~~	~~Ø~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E50BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203722-003A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00333.raw

% Moisture: 17 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	81	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	40	U
11097-69-1	Aroclor 1254	40	UX <u>U.S.</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~1000~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E50BSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203722-003ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00338.raw

% Moisture: 17 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~200~~	~~U~~
11104-28-2	Aroclor 1221	400	U
11141-16-5	Aroclor 1232	200	U
53469-21-9	Aroclor 1242	200	U
12672-29-6	Aroclor 1248	200	U
~~11097-69-1~~	~~Aroclor 1254~~	~~200~~	~~UX~~
11096-82-5	Aroclor 1260	1300	D

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E50CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203722-004A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00334.raw

% Moisture: 16 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	80	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	39	U
11096-82-5	Aroclor 1260	39	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E52BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203722-005A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00339.raw

% Moisture: 13 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	77	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	U
11096-82-5	Aroclor 1260	38	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E52CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203722-006A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00340.raw

% Moisture: 9.4 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	U
11096-82-5	Aroclor 1260	29	J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E53BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203722-007A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00341.raw

% Moisture: 4.7 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	UX <u>6.5</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~1700~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E53BSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203722-007ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00342.raw

% Moisture: 4.7 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~170~~	~~U~~
11104-28-2	Aroclor 1221	350	U
11141-16-5	Aroclor 1232	170	U
53469-21-9	Aroclor 1242	170	U
12672-29-6	Aroclor 1248	170	U
~~11097-69-1~~	~~Aroclor 1254~~	~~170~~	~~UX~~
11096-82-5	Aroclor 1260	1700	~~Ø~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E53CD

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203722-008A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00343.raw

% Moisture: 8.7 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PTEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	~~UX~~ <u>UJ</u>
11096-82-5	Aroclor 1260	520	<u>J</u>

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E53CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203722-009A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00344.raw

% Moisture: 8.4 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	UX <u>43</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~1600~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E53CSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203722-009ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00345.raw

% Moisture: 8.4 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~180~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~370~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~180~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~180~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~180~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~180~~	~~UX~~
11096-82-5	Aroclor 1260	1600	~~D~~ J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E57CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203722-010A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00346.raw

% Moisture: 2.7 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	UX <u>43</u>
11096-82-5	Aroclor 1260	340	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E58BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203722-011A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00347.raw

% Moisture: 3.1 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E58CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203722-012A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00348.raw

% Moisture: 2.7 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	19	J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E59BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203722-013A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00349.raw

% Moisture: 3.7 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PPEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	110	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E59CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203722-014A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00350.raw

% Moisture: 8.5 Decanted: (Y/N) N

Date Received: 03/20/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	U
11096-82-5	Aroclor 1260	36	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E45AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203782-001A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00356.raw

% Moisture: 15 Decanted: (Y/N) N

Date Received: 03/21/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	79	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	39	UX <u>US</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~11000~~	~~EP~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E45ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203782-001ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00358.raw

% Moisture: 15 Decanted: (Y/N) N

Date Received: 03/21/12

Extraction: (Type) PPEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~3900~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~7900~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~3900~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~3900~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~3900~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~3900~~	~~U~~
11096-82-5	Aroclor 1260	9800	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E45BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203782-002A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00363.raw

% Moisture: 15 Decanted: (Y/N) N

Date Received: 03/21/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	3900	<u>UJ</u>
11104-28-2	Aroclor 1221	7900	<u>UJ</u>
11141-16-5	Aroclor 1232	3900	<u>UJ</u>
53469-21-9	Aroclor 1242	3900	<u>UJ</u>
12672-29-6	Aroclor 1248	3900	<u>UJ</u>
11097-69-1	Aroclor 1254	3900	<u>UJ</u>
11096-82-5	Aroclor 1260	3900	<u>UJ</u>

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E45CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203782-003A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00364.raw

% Moisture: 15 Decanted: (Y/N) N

Date Received: 03/21/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	79	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	39	U
11096-82-5	Aroclor 1260	44	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E47AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203782-004A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00360.raw

% Moisture: 8 Decanted: (Y/N) N

Date Received: 03/21/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	3600	U
11104-28-2	Aroclor 1221	7300	U
11141-16-5	Aroclor 1232	3600	U
53469-21-9	Aroclor 1242	3600	U
12672-29-6	Aroclor 1248	3600	U
11097-69-1	Aroclor 1254	3600	~~UK~~ <u>4J</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~95000~~	~~DE~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E47ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203782-004ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00367.raw

% Moisture: 8 Decanted: (Y/N) N

Date Received: 03/21/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 200.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~7200~~	~~U~~
11104-28-2	Aroclor 1221	15000	U
11141-16-5	Aroclor 1232	7200	U
53469-21-9	Aroclor 1242	7200	U
12672-29-6	Aroclor 1248	7200	U
~~11097-69-1~~	~~Aroclor 1254~~	~~7200~~	~~UX~~
11096-82-5	Aroclor 1260	75000	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E48BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203782-005A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00365.raw

% Moisture: 12 Decanted: (Y/N) N

Date Received: 03/21/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	76	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	U
11096-82-5	Aroclor 1260	140	~~U~~ J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E48CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM165

Matrix: (soil/water) SOIL

Lab Sample ID: 1203782-006A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00366.raw

% Moisture: 19 Decanted: (Y/N) N

Date Received: 03/21/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	41	U
11104-28-2	Aroclor 1221	82	U
11141-16-5	Aroclor 1232	41	U
53469-21-9	Aroclor 1242	41	U
12672-29-6	Aroclor 1248	41	U
11097-69-1	Aroclor 1254	41	U
11096-82-5	Aroclor 1260	41	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E44AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water) SOIL

Lab Sample ID: 1203783-001A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00368.raw

% Moisture: 11 Decanted: (Y/N) N

Date Received: 03/21/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	75	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	~~UX~~ <u>4.5</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~3500~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E44ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water) SOIL

Lab Sample ID: 1203783-001ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00396.raw

% Moisture: 11 Decanted: (Y/N) N

Date Received: 03/21/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/23/12

Injection Volume: 0.5 (uL)

Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~740~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~1500~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~740~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~740~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~740~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~740~~	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~4300~~	~~D~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E44BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166Matrix: (soil/water) SOILLab Sample ID: 1203783-002ASample wt/vol: 15 (g/mL) gLab File ID: a00369.raw% Moisture: 21 Decanted: (Y/N) NDate Received: 03/21/12Extraction: (Type) PFEXDate Extracted: 03/21/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/22/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH:Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	42	U
11104-28-2	Aroclor 1221	84	U
11141-16-5	Aroclor 1232	42	U
53469-21-9	Aroclor 1242	42	U
12672-29-6	Aroclor 1248	42	U
11097-69-1	Aroclor 1254	42	~~UX~~ <u>US</u>
11096-82-5	Aroclor 1260	390	~~P~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E44CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166Matrix: (soil/water) SOILLab Sample ID: 1203783-003ASample wt/vol: 15 (g/mL) gLab File ID: a00370.raw% Moisture: 21 Decanted: (Y/N) NDate Received: 03/21/12Extraction: (Type) PFEXDate Extracted: 03/21/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/22/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH:Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	42	U
11104-28-2	Aroclor 1221	84	U
11141-16-5	Aroclor 1232	42	U
53469-21-9	Aroclor 1242	42	U
12672-29-6	Aroclor 1248	42	U
11097-69-1	Aroclor 1254	42	~~UX~~ <u>UJ</u>
11096-82-5	Aroclor 1260	250	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E44DS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water) SOIL

Lab Sample ID: 1203783-004A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00371.raw

% Moisture: 28 Decanted: (Y/N) N

Date Received: 03/21/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	46	U
11104-28-2	Aroclor 1221	93	U
11141-16-5	Aroclor 1232	46	U
53469-21-9	Aroclor 1242	46	U
12672-29-6	Aroclor 1248	46	U
11097-69-1	Aroclor 1254	46	UX-43
11096-82-5	Aroclor 1260	520	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E44ES

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water) SOIL

Lab Sample ID: 1203783-005A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00372.raw

% Moisture: 28 Decanted: (Y/N) N

Date Received: 03/21/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	46	U
11104-28-2	Aroclor 1221	93	U
11141-16-5	Aroclor 1232	46	U
53469-21-9	Aroclor 1242	46	U
12672-29-6	Aroclor 1248	46	U
11097-69-1	Aroclor 1254	46	U
11096-82-5	Aroclor 1260	130	

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E47BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166Matrix: (soil/water) SOILLab Sample ID: 1203783-006ASample wt/vol: 15 (g/mL) gLab File ID: a00373.raw% Moisture: 15 Decanted: (Y/N) NDate Received: 03/21/12Extraction: (Type) PFEXDate Extracted: 03/21/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/22/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	3900	U
11104-28-2	Aroclor 1221	7900	U
11141-16-5	Aroclor 1232	3900	U
53469-21-9	Aroclor 1242	3900	U
12672-29-6	Aroclor 1248	3900	U
11097-69-1	Aroclor 1254	3900	U
11096-82-5	Aroclor 1260	3900	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E47CD

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water) SOIL

Lab Sample ID: 1203783-007A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00374.raw

% Moisture: 13 Decanted: (Y/N) N

Date Received: 03/21/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	77	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	U
11096-82-5	Aroclor 1260	38	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E47CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water) SOIL

Lab Sample ID: 1203783-008A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00375.raw

% Moisture: 18 Decanted: (Y/N) N

Date Received: 03/21/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	82	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	40	U
11097-69-1	Aroclor 1254	40	U
11096-82-5	Aroclor 1260	40	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E49BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166Matrix: (soil/water) SOILLab Sample ID: 1203783-009ASample wt/vol: 15 (g/mL) gLab File ID: a00376.raw% Moisture: 18 Decanted: (Y/N) NDate Received: 03/21/12Extraction: (Type) PFEXDate Extracted: 03/21/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/22/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH:Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	81	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	40	U
11097-69-1	Aroclor 1254	40	~~UX~~ <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~9600~~	~~EP~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E49BSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water) SOIL

Lab Sample ID: 1203783-009ADL

Sample wt/vol: 15

(g/mL) ML

Lab File ID: a00397.raw

% Moisture: 18

Decanted: (Y/N) N

Date Received: 03/21/12

Extraction: (Type)

PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/23/12

Injection Volume: 0.5 (uL)

Dilution Factor: 50.00

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~2000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~4100~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~2000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~2000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~2000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~2000~~	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~11000~~	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E49CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water) SOIL

Lab Sample ID: 1203783-010A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00377.raw

% Moisture: 22 Decanted: (Y/N) N

Date Received: 03/21/12

Extraction: (Type) PFEX

Date Extracted: 03/21/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/22/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	42	U
11104-28-2	Aroclor 1221	86	U
11141-16-5	Aroclor 1232	42	U
53469-21-9	Aroclor 1242	42	U
12672-29-6	Aroclor 1248	42	U
11097-69-1	Aroclor 1254	42	~~UX~~ <u>45</u>
11096-82-5	Aroclor 1260	480	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E42AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water) SOIL

Lab Sample ID: 1203825-001A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00405.raw

% Moisture: 11 Decanted: (Y/N) N

Date Received: 03/22/12

Extraction: (Type) PFEX

Date Extracted: 03/22/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/23/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	76	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	UX <u>45</u>
11096-82-5	Aroclor 1260	4200	E

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E42ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water) SOIL

Lab Sample ID: 1203825-001ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00434.raw

% Moisture: 11 Decanted: (Y/N) N

Date Received: 03/22/12

Extraction: (Type) PFEX

Date Extracted: 03/22/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/27/12

Injection Volume: 0.5 (uL)

Dilution Factor: 20.00

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~740~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~1500~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~740~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~740~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~740~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~740~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~5700~~	~~D~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E42BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166Matrix: (soil/water) SOILLab Sample ID: 1203825-002ASample wt/vol: 15 (g/mL) gLab File ID: a00406.raw% Moisture: 9.1 Decanted: (Y/N) NDate Received: 03/22/12Extraction: (Type) PFEEXDate Extracted: 03/22/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/23/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH:Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	U
11096-82-5	Aroclor 1260	36	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E42CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water) SOIL

Lab Sample ID: 1203825-003A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00407.raw

% Moisture: 18 Decanted: (Y/N) N

Date Received: 03/22/12

Extraction: (Type) PFEX

Date Extracted: 03/22/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/23/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	82	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	40	U
11097-69-1	Aroclor 1254	40	U
11096-82-5	Aroclor 1260	40	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E42CD

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water) SOIL

Lab Sample ID: 1203825-004A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00408.raw

% Moisture: 16 Decanted: (Y/N) N

Date Received: 03/22/12

Extraction: (Type) PFEX

Date Extracted: 03/22/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/23/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	80	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	39	U
11096-82-5	Aroclor 1260	39	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E43AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water) SOIL

Lab Sample ID: 1203825-005A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00409.raw

% Moisture: 14 Decanted: (Y/N) N

Date Received: 03/22/12

Extraction: (Type) PFEX

Date Extracted: 03/22/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/23/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	78	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	UX <u>45</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~940~~	~~E~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E43ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166Matrix: (soil/water) SOILLab Sample ID: 1203825-005ADLSample wt/vol: 15 (g/mL) MLLab File ID: a00435.raw% Moisture: 14 Decanted: (Y/N) NDate Received: 03/22/12Extraction: (Type) PFEXDate Extracted: 03/22/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/27/12Injection Volume: 0.5 (uL)Dilution Factor: 5.00GPC Cleanup: (Y/N) N pH:Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~190~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~390~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~190~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~190~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~190~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~190~~	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~980~~	~~Ø~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E43BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water) SOIL

Lab Sample ID: 1203825-006A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00410.raw

% Moisture: 10 Decanted: (Y/N) N

Date Received: 03/22/12

Extraction: (Type) PFEX

Date Extracted: 03/22/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/23/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	UX UJ
~~11096-82-5~~	~~Aroclor 1260~~	~~690~~	~~E~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E43BSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166Matrix: (soil/water) SOILLab Sample ID: 1203825-006ADLSample wt/vol: 15 (g/mL) MLLab File ID: a00436.raw% Moisture: 10 Decanted: (Y/N) NDate Received: 03/22/12Extraction: (Type) PFEXDate Extracted: 03/22/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 03/27/12Injection Volume: 0.5 (uL)Dilution Factor: 5.00GPC Cleanup: (Y/N) N pH:Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~180~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~370~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~180~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~180~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~180~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~180~~	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~760~~	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E43CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water) SOIL

Lab Sample ID: 1203825-007A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00411.raw

% Moisture: 26 Decanted: (Y/N) N

Date Received: 03/22/12

Extraction: (Type) PFEX

Date Extracted: 03/22/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 03/23/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	2200	U
11104-28-2	Aroclor 1221	4500	U
11141-16-5	Aroclor 1232	2200	U
53469-21-9	Aroclor 1242	2200	U
12672-29-6	Aroclor 1248	2200	U
11097-69-1	Aroclor 1254	2200	U
11096-82-5	Aroclor 1260	2200	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E46AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A53-001A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00018.raw

% Moisture: 10 Decanted: (Y/N) N

Date Received: 03/29/12

Extraction: (Type) PFEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	75	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	~~UX~~ <u>UX</u>
11096-82-5	Aroclor 1260	3900	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E46ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A53-001ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00026.raw

% Moisture: 10 Decanted: (Y/N) N

Date Received: 03/29/12

Extraction: (Type) PFEX

Date Extracted: 03/29/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~740~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~1500~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~740~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~740~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~740~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~740~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~4300~~	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E46BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A53-002A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00021.raw

% Moisture: 15 Decanted: (Y/N) N

Date Received: 03/29/12

Extraction: (Type) PPEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	79	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	39	U
11096-82-5	Aroclor 1260	120	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E46CD

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A53-003A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00022.raw

% Moisture: 9.7 Decanted: (Y/N) N

Date Received: 03/29/12

Extraction: (Type) PFEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	U
11096-82-5	Aroclor 1260	26	PO J

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E46CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167Matrix: (soil/water) SOILLab Sample ID: 1203A53-004ASample wt/vol: 15 (g/mL) gLab File ID: a00023.raw% Moisture: 9.8 Decanted: (Y/N) NDate Received: 03/29/12Extraction: (Type) PFEXDate Extracted: 03/30/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/02/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	U
11096-82-5	Aroclor 1260	24	J

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E61AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167Matrix: (soil/water) SOILLab Sample ID: 1204039-001ASample wt/vol: 15 (g/mL) gLab File ID: a00053.raw% Moisture: 6.9 Decanted: (Y/N) NDate Received: 04/02/12Extraction: (Type) PFEXDate Extracted: 04/02/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/03/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	72	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	-UX <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~1200~~	~~E~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E61ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167Matrix: (soil/water) SOILLab Sample ID: 1204039-001ADLSample wt/vol: 15 (g/mL) MLLab File ID: a00062.raw% Moisture: 6.9 Decanted: (Y/N) NDate Received: 04/02/12Extraction: (Type) PFEXDate Extracted: 04/02/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/03/12Injection Volume: 0.5 (uL)Dilution Factor: 5.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~180~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~360~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~180~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~180~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~180~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~180~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~1200~~	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E61BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167

Matrix: (soil/water) SOIL

Lab Sample ID: 1204039-002A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00054.raw

% Moisture: 3.8 Decanted: (Y/N) N

Date Received: 04/02/12

Extraction: (Type) PFEX

Date Extracted: 04/02/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/03/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	68	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E61CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167

Matrix: (soil/water) SOIL

Lab Sample ID: 1204039-003A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00055.raw

% Moisture: 7.7 Decanted: (Y/N) N

Date Received: 04/02/12

Extraction: (Type) PFEX

Date Extracted: 04/02/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/03/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	~~UX~~ UJ
11096-82-5	Aroclor 1260	470	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E62AD

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167

Matrix: (soil/water) SOIL

Lab Sample ID: 1204039-004A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00056.raw

% Moisture: 8.8 Decanted: (Y/N) N

Date Received: 04/02/12

Extraction: (Type) PFEX

Date Extracted: 04/02/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/03/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	~~UX~~ <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~4400~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E62ADDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167

Matrix: (soil/water) SOIL

Lab Sample ID: 1204039-004ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00063.raw

% Moisture: 8.8 Decanted: (Y/N) N

Date Received: 04/02/12

Extraction: (Type) PFEX

Date Extracted: 04/02/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/03/12

Injection Volume: 0.5 (uL)

Dilution Factor: 25.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~900~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~1800~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~900~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~900~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~900~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~900~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~4900~~	~~B J~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E62AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167Matrix: (soil/water) SOILLab Sample ID: 1204039-005ASample wt/vol: 15 (g/mL) gLab File ID: a00057.raw% Moisture: 9.1 Decanted: (Y/N) NDate Received: 04/02/12Extraction: (Type) PFEXDate Extracted: 04/02/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/03/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	~~UX~~ <u>US</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~2100~~	~~E~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E62ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167Matrix: (soil/water) SOILLab Sample ID: 1204039-005ADLSample wt/vol: 15 (g/mL) MLLab File ID: a00064.raw% Moisture: 9.1 Decanted: (Y/N) NDate Received: 04/02/12Extraction: (Type) PFEXDate Extracted: 04/02/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/03/12Injection Volume: 0.5 (uL)Dilution Factor: 10.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~360~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~740~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~360~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~360~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~360~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~360~~	~~UX~~
11096-82-5	Aroclor 1260	2200	~~D~~ J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E62BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167

Matrix: (soil/water) SOIL

Lab Sample ID: 1204039-006A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00058.raw

% Moisture: 5 Decanted: (Y/N) N

Date Received: 04/02/12

Extraction: (Type) PFX

Date Extracted: 04/02/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/03/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	71	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	35	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E62CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167

Matrix: (soil/water) SOIL

Lab Sample ID: 1204039-007A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00059.raw

% Moisture: 3.5 Decanted: (Y/N) N

Date Received: 04/02/12

Extraction: (Type) PFEX

Date Extracted: 04/02/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/03/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E65AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167Matrix: (soil/water) SOILLab Sample ID: 1204110-001ASample wt/vol: 15 (g/mL) gLab File ID: a00112.raw% Moisture: 11 Decanted: (Y/N) NDate Received: 04/03/12Extraction: (Type) PFEXDate Extracted: 04/03/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/04/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	75	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	UX <u>LS</u>
11096-82-5	Aroclor 1260	600	EZ

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E65ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167

Matrix: (soil/water) SOIL

Lab Sample ID: 1204110-001ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00134.raw

% Moisture: 11 Decanted: (Y/N) N

Date Received: 04/03/12

Extraction: (Type) PFEX

Date Extracted: 04/03/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/04/12

Injection Volume: 0.5 (uL)

Dilution Factor: 2,000.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~74000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~150000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~74000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~74000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~74000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~74000~~	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~47000~~	~~DJ J~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E66AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167

Matrix: (soil/water) SOIL

Lab Sample ID: 1204110-002A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00113.raw

% Moisture: 9.3 Decanted: (Y/N) N

Date Received: 04/03/12

Extraction: (Type) PFEX

Date Extracted: 04/03/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/04/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	~~UX~~ <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~590~~	~~EZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E66ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167

Matrix: (soil/water) SOIL

Lab Sample ID: 1204110-002ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00135.raw

% Moisture: 9.3 Decanted: (Y/N) N

Date Received: 04/03/12

Extraction: (Type) PFEX

Date Extracted: 04/03/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/04/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1,000.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~36000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~74000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~36000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~36000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~36000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~36000~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~190000~~	~~D~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E66BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167Matrix: (soil/water) SOILLab Sample ID: 1204110-003ASample wt/vol: 15 (g/mL) gLab File ID: a00128.raw% Moisture: 15 Decanted: (Y/N) NDate Received: 04/03/12Extraction: (Type) PFEXDate Extracted: 04/03/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/04/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	79	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	39	U
11096-82-5	Aroclor 1260	30	J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E66CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167

Matrix: (soil/water) SOIL

Lab Sample ID: 1204110-004A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00129.raw

% Moisture: 20 Decanted: (Y/N) N

Date Received: 04/03/12

Extraction: (Type) PFEX

Date Extracted: 04/03/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/04/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	41	U
11104-28-2	Aroclor 1221	84	U
11141-16-5	Aroclor 1232	41	U
53469-21-9	Aroclor 1242	41	U
12672-29-6	Aroclor 1248	41	U
11097-69-1	Aroclor 1254	41	U
11096-82-5	Aroclor 1260	41	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E67AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167

Matrix: (soil/water) SOIL

Lab Sample ID: 1204110-005A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00130.raw

% Moisture: 5.6 Decanted: (Y/N) N

Date Received: 04/03/12

Extraction: (Type) PFEX

Date Extracted: 04/03/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/04/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	71	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	18	PO J

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E67BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167Matrix: (soil/water) SOILLab Sample ID: 1204110-006ASample wt/vol: 15 (g/mL) gLab File ID: a00131.raw% Moisture: 12 Decanted: (Y/N) NDate Received: 04/03/12Extraction: (Type) PFEXDate Extracted: 04/03/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/04/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	76	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	U
11096-82-5	Aroclor 1260	35	J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E67CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM167

Matrix: (soil/water) SOIL

Lab Sample ID: 1204110-007A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00132.raw

% Moisture: 16 Decanted: (Y/N) N

Date Received: 04/03/12

Extraction: (Type) PFEX

Date Extracted: 04/03/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/04/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	80	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	39	U
11096-82-5	Aroclor 1260	39	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E63A1S

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A85-001A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00005.raw

% Moisture: 13 Decanted: (Y/N) N

Date Received: 03/30/12

Extraction: (Type) PFEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	77	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	~~UX~~ <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~620~~	~~EZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E63A1SDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A85-001ADL

Sample wt/vol: 15

(g/mL) ML

Lab File ID: a00042.raw

% Moisture: 13

Decanted: (Y/N) N

Date Received: 03/30/12

Extraction: (Type)

PFEEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/03/12

Injection Volume: 0.5 (uL)

Dilution Factor: 200.00

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~7600~~	~~U~~
11104-28-2	Aroclor 1221	15000	U
11141-16-5	Aroclor 1232	7600	U
53469-21-9	Aroclor 1242	7600	U
12672-29-6	Aroclor 1248	7600	U
~~11097-69-1~~	~~Aroclor 1254~~	~~7600~~	~~UX~~
11096-82-5	Aroclor 1260	90000	~~D~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E63AD

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168Matrix: (soil/water) SOILLab Sample ID: 1203A85-002ASample wt/vol: 15 (g/mL) gLab File ID: a00013.raw% Moisture: 12 Decanted: (Y/N) NDate Received: 03/30/12Extraction: (Type) PFEXDate Extracted: 03/30/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/02/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	76	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	~~UX~~ <u>4J</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~610~~	~~EZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E63ADDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A85-002ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00044.raw

% Moisture: 12 Decanted: (Y/N) N

Date Received: 03/30/12

Extraction: (Type) PFEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/03/12

Injection Volume: 0.5 (uL)

Dilution Factor: 2,000.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~75000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~150000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~75000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~75000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~75000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~75000~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~1200000~~	~~Ø~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E63AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A85-003A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00014.raw

% Moisture: 12 Decanted: (Y/N) N

Date Received: 03/30/12

Extraction: (Type) PFEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	76	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	UX <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~610~~	~~EZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E63ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A85-003ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00047.raw

% Moisture: 12 Decanted: (Y/N) N

Date Received: 03/30/12

Extraction: (Type) PFEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/03/12

Injection Volume: 0.5 (uL)

Dilution Factor: 2,500.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~94000~~	~~U~~
11104-28-2	Aroclor 1221	190000	U
11141-16-5	Aroclor 1232	94000	U
53469-21-9	Aroclor 1242	94000	U
12672-29-6	Aroclor 1248	94000	U
11097-69-1	Aroclor 1254	94000	~~UX~~
11096-82-5	Aroclor 1260	1400000	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E63BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A85-004A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00006.raw

% Moisture: 3 Decanted: (Y/N) N

Date Received: 03/30/12

Extraction: (Type) PFEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	UX <u>45</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~550~~	~~EZ~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E63BSDI

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168Matrix: (soil/water) SOILLab Sample ID: 1203A85-004ADLSample wt/vol: 15 (g/mL) MLLab File ID: a00030.raw% Moisture: 3 Decanted: (Y/N) NDate Received: 03/30/12Extraction: (Type) PFEXDate Extracted: 03/30/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/02/12Injection Volume: 0.5 (uL)Dilution Factor: 100.00GPC Cleanup: (Y/N) N pH:Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~3400~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~6900~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~3400~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~3400~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~3400~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~3400~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~42000~~	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E63CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A85-005A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00007.raw

% Moisture: 3.1 Decanted: (Y/N) N

Date Received: 03/30/12

Extraction: (Type) PFEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	UX <u>LS</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~550~~	~~EZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E63CSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A85-005ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00031.raw

% Moisture: 3.1 Decanted: (Y/N) N

Date Received: 03/30/12

Extraction: (Type) PFEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~3400~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~6900~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~3400~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~3400~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~3400~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~3400~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~20000~~	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E64AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A85-006A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00015.raw

% Moisture: 8.6 Decanted: (Y/N) N

Date Received: 03/30/12

Extraction: (Type) PFEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	~~UX~~ <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~590~~	~~EZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E64ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A85-006ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00048.raw

% Moisture: 8.6 Decanted: (Y/N) N

Date Received: 03/30/12

Extraction: (Type) PFEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/03/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1,000.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~36000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~73000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~36000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~36000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~36000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~36000~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~280000~~	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E64BD

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A85-007A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00008.raw

% Moisture: 3.2 Decanted: (Y/N) N

Date Received: 03/30/12

Extraction: (Type) PFEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	~~UX~~ <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~550~~	~~EZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E64BDDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A85-007ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00033.raw

% Moisture: 3.2 Decanted: (Y/N) N

Date Received: 03/30/12

Extraction: (Type) PFEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~3400~~	~~U~~
11104-28-2	Aroclor 1221	6900	U
11141-16-5	Aroclor 1232	3400	U
53469-21-9	Aroclor 1242	3400	U
12672-29-6	Aroclor 1248	3400	U
~~11097-69-1~~	~~Aroclor 1254~~	~~3400~~	~~UX~~
11096-82-5	Aroclor 1260	37000	~~D~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E64BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168Matrix: (soil/water) SOILLab Sample ID: 1203A85-008ASample wt/vol: 15 (g/mL) gLab File ID: a00009.raw% Moisture: 3 Decanted: (Y/N) NDate Received: 03/30/12Extraction: (Type) PFEXDate Extracted: 03/30/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/02/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	~~UX~~ <u>LLJ</u>
11096-82-5	Aroclor 1260	550	~~EZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E64BSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A85-008ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00034.raw

% Moisture: 3 Decanted: (Y/N) N

Date Received: 03/30/12

Extraction: (Type) PFEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~3400~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~6900~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~3400~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~3400~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~3400~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~3400~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~37000~~	~~Ø~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E64CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A85-009A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00010.raw

% Moisture: 4.7 Decanted: (Y/N) N

Date Received: 03/30/12

Extraction: (Type) PPEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	180	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E68AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A85-010A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00016.raw

% Moisture: 1.5 Decanted: (Y/N) N

Date Received: 03/30/12

Extraction: (Type) PFX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	68	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	~~UX~~ <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~1900~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E68ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A85-010ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00035.raw

% Moisture: 1.5 Decanted: (Y/N) N

Date Received: 03/30/12

Extraction: (Type) PFEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~340~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~680~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~340~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~340~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~340~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~340~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~1700~~	~~D~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E68BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168Matrix: (soil/water) SOILLab Sample ID: 1203A85-011ASample wt/vol: 15 (g/mL) gLab File ID: a00017.raw% Moisture: 13 Decanted: (Y/N) NDate Received: 03/30/12Extraction: (Type) PFEXDate Extracted: 03/30/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/02/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	77	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	~~UX~~ <u>US</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~620~~	~~EZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E68BSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM168

Matrix: (soil/water) SOIL

Lab Sample ID: 1203A85-011ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00036.raw

% Moisture: 13 Decanted: (Y/N) N

Date Received: 03/30/12

Extraction: (Type) PFEX

Date Extracted: 03/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~1900~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~3900~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~1900~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~1900~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~1900~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~1900~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~21000~~	~~Ø~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E60AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM169

Matrix: (soil/water) SOIL

Lab Sample ID: 1204166-001A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00145.raw

% Moisture: 12 Decanted: (Y/N) N

Date Received: 04/04/12

Extraction: (Type) PFEX

Date Extracted: 04/04/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/05/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	76	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	U
11096-82-5	Aroclor 1260	61	

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E60BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM169Matrix: (soil/water) SOILLab Sample ID: 1204166-002ASample wt/vol: 15 (g/mL) gLab File ID: a00146.raw% Moisture: 11 Decanted: (Y/N) NDate Received: 04/04/12Extraction: (Type) PPEXDate Extracted: 04/04/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/05/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	75	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	U
11096-82-5	Aroclor 1260	37	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E60CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM169

Matrix: (soil/water) SOIL

Lab Sample ID: 1204166-003A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00147.raw

% Moisture: 16 Decanted: (Y/N) N

Date Received: 04/04/12

Extraction: (Type) PFEX

Date Extracted: 04/04/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/05/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	80	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	39	U
11096-82-5	Aroclor 1260	51	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E65BD

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM169

Matrix: (soil/water) SOIL

Lab Sample ID: 1204166-005A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00155.raw

% Moisture: 14 Decanted: (Y/N) N

Date Received: 04/04/12

Extraction: (Type) PFEX

Date Extracted: 04/04/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/05/12

Injection Volume: 0.5 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	78000	U
11104-28-2	Aroclor 1221	160000	U
11141-16-5	Aroclor 1232	78000	U
53469-21-9	Aroclor 1242	78000	U
12672-29-6	Aroclor 1248	78000	U
11097-69-1	Aroclor 1254	78000	U
11096-82-5	Aroclor 1260	78000	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E65BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM169

Matrix: (soil/water) SOIL

Lab Sample ID: 1204166-006A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00156.raw

% Moisture: 15 Decanted: (Y/N) N

Date Received: 04/04/12

Extraction: (Type) PFX

Date Extracted: 04/04/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/05/12

Injection Volume: 0.5 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	78000	U
11104-28-2	Aroclor 1221	160000	U
11141-16-5	Aroclor 1232	78000	U
53469-21-9	Aroclor 1242	78000	U
12672-29-6	Aroclor 1248	78000	U
11097-69-1	Aroclor 1254	78000	U
11096-82-5	Aroclor 1260	78000	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E65CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM169Matrix: (soil/water) SOILLab Sample ID: 1204166-007ASample wt/vol: 15 (g/mL) gLab File ID: a00151.raw% Moisture: 13 Decanted: (Y/N) NDate Received: 04/04/12Extraction: (Type) PFEXDate Extracted: 04/04/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/05/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	77	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	U
11096-82-5	Aroclor 1260	38	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E69AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM169

Matrix: (soil/water) SOIL

Lab Sample ID: 1204261-001A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00174.raw

% Moisture: 14 Decanted: (Y/N) N

Date Received: 04/05/12

Extraction: (Type) PFEX

Date Extracted: 04/05/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/06/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	Q
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	78	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	~~UX~~ <u>45</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~620~~	~~EZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E69ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM169

Matrix: (soil/water) SOIL

Lab Sample ID: 1204261-001ADL

Sample wt/vol: 15 (g/mL) ML

Lab File ID: a00180.raw

% Moisture: 14 Decanted: (Y/N) N

Date Received: 04/05/12

Extraction: (Type) PFEX

Date Extracted: 04/05/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/06/12

Injection Volume: 0.5 (uL)

Dilution Factor: 500.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~19000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~39000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~19000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~19000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~19000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~19000~~	~~U~~
11096-82-5	Aroclor 1260	26000	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E69BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM169

Matrix: (soil/water) SOIL

Lab Sample ID: 1204261-002A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00175.raw

% Moisture: 3.6 Decanted: (Y/N) N

Date Received: 04/05/12

Extraction: (Type) PFEX

Date Extracted: 04/05/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/06/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	~~UX~~ <u>UJ</u>
11096-82-5	Aroclor 1260	350	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E69CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM169

Matrix: (soil/water) SOIL

Lab Sample ID: 1204261-003A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00176.raw

% Moisture: 2.7 Decanted: (Y/N) N

Date Received: 04/05/12

Extraction: (Type) PFEX

Date Extracted: 04/05/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/06/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	~~UX~~ <u>UJ</u>
11096-82-5	Aroclor 1260	130	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E70ASRE

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173

Matrix: (soil/water) SOIL

Lab Sample ID: 1204303-001ARE

Sample wt/vol: 15.19 (g/mL) g

Lab File ID: a00471.raw

% Moisture: 8.8 Decanted: (Y/N) N

Date Received: 04/06/12

Extraction: (Type) PFEX

Date Extracted: 04/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/01/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	~~UX~~ <u>45</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~580~~	~~E~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E70ASREDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173Matrix: (soil/water) SOILLab Sample ID: 1204303-001AREDLSample wt/vol: 15.19 (g/mL) gLab File ID: a00503.raw% Moisture: 8.8 Decanted: (Y/N) NDate Received: 04/06/12Extraction: (Type) PFEXDate Extracted: 04/30/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 05/02/12Injection Volume: 0.5 (uL)Dilution Factor: 2,000.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~71000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~150000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~71000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~71000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~71000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~71000~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~950000~~	~~D~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E70BSRE

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173Matrix: (soil/water) SOILLab Sample ID: 1204303-002ARESample wt/vol: 15.34 (g/mL) gLab File ID: a00466.raw% Moisture: 5.3 Decanted: (Y/N) NDate Received: 04/06/12Extraction: (Type) PFEXDate Extracted: 04/30/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 05/01/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	~~UX~~ <u>LT</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~550~~	~~EZ~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E70BSREDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173Matrix: (soil/water) SOILLab Sample ID: 1204303-002AREDLSample wt/vol: 15.34 (g/mL) gLab File ID: a00501.raw% Moisture: 5.3 Decanted: (Y/N) NDate Received: 04/06/12Extraction: (Type) PFEXDate Extracted: 04/30/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 05/02/12Injection Volume: 0.5 (uL)Dilution Factor: 500.00GPC Cleanup: (Y/N) N pH:Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~17000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~35000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~17000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~17000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~17000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~17000~~	~~U~~
11096-82-5	Aroclor 1260	7000	~~U~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E70CSRE

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173Matrix: (soil/water) SOILLab Sample ID: 1204303-003ARESample wt/vol: 15.07 (g/mL) gLab File ID: a00467.raw% Moisture: 5.3 Decanted: (Y/N) NDate Received: 04/06/12Extraction: (Type) PFEXDate Extracted: 04/30/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 05/01/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH:Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	~~UX~~ <u>45</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~3000~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E70CSREDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173

Matrix: (soil/water) SOIL

Lab Sample ID: 1204303-003AREDL

Sample wt/vol: 15.07 (g/mL) g

Lab File ID: a00527.raw

% Moisture: 5.3 Decanted: (Y/N) N

Date Received: 04/06/12

Extraction: (Type) PFEX

Date Extracted: 04/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/04/12

Injection Volume: 0.5 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~350~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~700~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~350~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~350~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~350~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~350~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~2900~~	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E71ASRE

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173

Matrix: (soil/water) SOIL

Lab Sample ID: 1204303-004ARE

Sample wt/vol: 15.41 (g/mL) g

Lab File ID: a00472.raw

% Moisture: 13 Decanted: (Y/N) N

Date Received: 04/06/12

Extraction: (Type) PFEX

Date Extracted: 04/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/01/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	75	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	UX <u>4.5</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~600~~	~~EZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E71ASREDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173

Matrix: (soil/water) SOIL

Lab Sample ID: 1204303-004AREDL

Sample wt/vol: 15.41 (g/mL) g

Lab File ID: a00500.raw

% Moisture: 13 Decanted: (Y/N) N

Date Received: 04/06/12

Extraction: (Type) PFEX

Date Extracted: 04/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 250.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~9200~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~19000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~9200~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~9200~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~9200~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~9200~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~110000~~	~~D~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E71BSRE

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173Matrix: (soil/water) SOILLab Sample ID: 1204303-005ARESample wt/vol: 15.12 (g/mL) gLab File ID: a00468.raw% Moisture: 9.1 Decanted: (Y/N) NDate Received: 04/06/12Extraction: (Type) PFEXDate Extracted: 04/30/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 05/01/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH:Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	UX <u>US</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~12000~~	~~EP~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E71BSREDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173

Matrix: (soil/water) SOIL

Lab Sample ID: 1204303-005AREDL

Sample wt/vol: 15.12 (g/mL) g

Lab File ID: a00498.raw

% Moisture: 9.1 Decanted: (Y/N) N

Date Received: 04/06/12

Extraction: (Type) PFEX

Date Extracted: 04/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~1800~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~3700~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~1800~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~1800~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~1800~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~1800~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~11000~~	~~D J~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E71BDRE

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173

Matrix: (soil/water) SOIL

Lab Sample ID: 1204303-006ARE

Sample wt/vol: 15.11 (g/mL) g

Lab File ID: a00469.raw

% Moisture: 8.9 Decanted: (Y/N) N

Date Received: 04/06/12

Extraction: (Type) PFEX

Date Extracted: 04/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/01/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	~~UK~~ <u>45</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~5100~~	~~E~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E71BDREDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173Matrix: (soil/water) SOILLab Sample ID: 1204303-006AREDLSample wt/vol: 15.11 (g/mL) gLab File ID: a00528.raw% Moisture: 8.9 Decanted: (Y/N) NDate Received: 04/06/12Extraction: (Type) PFEXDate Extracted: 04/30/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 05/04/12Injection Volume: 0.5 (uL)Dilution Factor: 100.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~3600~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~7300~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~3600~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~3600~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~3600~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~3600~~	~~UX~~
11096-82-5	Aroclor 1260	24000	~~U~~ J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E71CSRE

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173

Matrix: (soil/water) SOIL

Lab Sample ID: 1204303-007ARE

Sample wt/vol: 15.22 (g/mL) g

Lab File ID: a00470.raw

% Moisture: 3.5 Decanted: (Y/N) N

Date Received: 04/06/12

Extraction: (Type) PFEX

Date Extracted: 04/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/01/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	68	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	53	

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E72ASRE

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173Matrix: (soil/water) SOILLab Sample ID: 1204303-008ARESample wt/vol: 15.61 (g/mL) gLab File ID: a00473.raw% Moisture: 8Decanted: (Y/N) NDate Received: 04/06/12

Extraction: (Type)

PFEXDate Extracted: 04/30/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 05/01/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	~~UX~~ <u>UJ</u>
11096-82-5	Aroclor 1260	560	~~EZ~~

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E72ASREDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173

Matrix: (soil/water) SOIL

Lab Sample ID: 1204303-008AREDL

Sample wt/vol: 15.61 (g/mL) g

Lab File ID: a00502.raw

% Moisture: 8

Decanted: (Y/N) N

Date Received: 04/06/12

Extraction: (Type)

PFX

Date Extracted: 04/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1,000.00

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~34000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~70000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~34000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~34000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~34000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~34000~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~390000~~	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E72BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173

Matrix: (soil/water) SOIL

Lab Sample ID: 1204303-009ARE

Sample wt/vol: 15.51 (g/mL) g

Lab File ID: a00474.raw

% Moisture: 12 Decanted: (Y/N) N

Date Received: 04/06/12

Extraction: (Type) PFEX

Date Extracted: 04/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/01/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	-UX 415
~~11096-82-5~~	~~Aroclor 1260~~	~~1700~~	~~E~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E72BSREDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173Matrix: (soil/water) SOILLab Sample ID: 1204303-009AREDLSample wt/vol: 15.51 (g/mL) gLab File ID: a00496.raw% Moisture: 12Decanted: (Y/N) NDate Received: 04/06/12

Extraction: (Type)

PFEXDate Extracted: 04/30/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 05/02/12Injection Volume: 0.5 (uL)Dilution Factor: 20.00GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~720~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~1500~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~720~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~720~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~720~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~720~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~1300~~	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E72CSRE

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173

Matrix: (soil/water) SOIL

Lab Sample ID: 1204303-010ARE

Sample wt/vol: 15.3 (g/mL) g

Lab File ID: a00499.raw

% Moisture: 20

Decanted: (Y/N) N

Date Received: 04/06/12

Extraction: (Type)

PTEX

Date Extracted: 04/30/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/02/12

Injection Volume: 0.5 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	Q
12674-11-2	Aroclor 1016	4000	U
11104-28-2	Aroclor 1221	8200	U
11141-16-5	Aroclor 1232	4000	U
53469-21-9	Aroclor 1242	4000	U
12672-29-6	Aroclor 1248	4000	U
11097-69-1	Aroclor 1254	4000	U
11096-82-5	Aroclor 1260	4000	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E73AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173Matrix: (soil/water) SOILLab Sample ID: 1204370-001ASample wt/vol: 15 (g/mL) gLab File ID: a00133.raw% Moisture: 10 Decanted: (Y/N) NDate Received: 04/09/12Extraction: (Type) PFEXDate Extracted: 04/10/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/11/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH:Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	75	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	~~UX~~ <u>4J</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~2900~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E73ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173

Matrix: (soil/water) SOIL

Lab Sample ID: 1204370-001ADL

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00135.raw

% Moisture: 10 Decanted: (Y/N) N

Date Received: 04/09/12

Extraction: (Type) PFEX

Date Extracted: 04/10/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/11/12

Injection Volume: 0.5 (uL)

Dilution Factor: 20.00

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO COMPOUND		CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG		Q
~~12674-11-2~~	~~Aroclor 1016~~	~~740~~	~~U~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~1500~~	~~U~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~740~~	~~U~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~740~~	~~U~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~740~~	~~U~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~740~~	~~UX~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~3100~~	~~U~~	~~U~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E74AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173Matrix: (soil/water) SOILLab Sample ID: 1204370-002ASample wt/vol: 15 (g/mL) gLab File ID: a00134.raw% Moisture: 10 Decanted: (Y/N) NDate Received: 04/09/12Extraction: (Type) PFEXDate Extracted: 04/10/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/11/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	75	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	~~UX~~ <u>US</u>
11096-82-5	Aroclor 1260	440	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E74BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173

Matrix: (soil/water) SOIL

Lab Sample ID: 1204370-003A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00136.raw

% Moisture: 19 Decanted: (Y/N) N

Date Received: 04/09/12

Extraction: (Type) PFX

Date Extracted: 04/10/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/11/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	41	U
11104-28-2	Aroclor 1221	83	U
11141-16-5	Aroclor 1232	41	U
53469-21-9	Aroclor 1242	41	U
12672-29-6	Aroclor 1248	41	U
11097-69-1	Aroclor 1254	41	U
11096-82-5	Aroclor 1260	41	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E74CD

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173

Matrix: (soil/water) SOIL

Lab Sample ID: 1204370-004A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00138.raw

% Moisture: 14 Decanted: (Y/N) N

Date Received: 04/09/12

Extraction: (Type) PFEX

Date Extracted: 04/10/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/11/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	78	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	U
11096-82-5	Aroclor 1260	38	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E74CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173

Matrix: (soil/water) SOIL

Lab Sample ID: 1204370-005A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00139.raw

% Moisture: 15 Decanted: (Y/N) N

Date Received: 04/09/12

Extraction: (Type) PFEX

Date Extracted: 04/10/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/11/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	79	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	39	U
11096-82-5	Aroclor 1260	33	~~PT~~ J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E73BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM175

Matrix: (soil/water) SOIL

Lab Sample ID: 1204450-003A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00127.raw

% Moisture: 13 Decanted: (Y/N) N

Date Received: 04/10/12

Extraction: (Type) PFX

Date Extracted: 04/10/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/11/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	77	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	U
11096-82-5	Aroclor 1260	220	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E73CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM175Matrix: (soil/water) SOILLab Sample ID: 1204450-004ASample wt/vol: 15 (g/mL) gLab File ID: a00137.raw% Moisture: 20 Decanted: (Y/N) NDate Received: 04/10/12Extraction: (Type) PFEXDate Extracted: 04/10/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/11/12Injection Volume: 0.5 (uL)Dilution Factor: 50.00GPC Cleanup: (Y/N) N pH:Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	~~8000~~ <u>30 000</u>	U
11104-28-2	Aroclor 1221	60000	U
11141-16-5	Aroclor 1232	30000	U
53469-21-9	Aroclor 1242	30000	U
12672-29-6	Aroclor 1248	30000	U
11097-69-1	Aroclor 1254	30000	U
11096-82-5	Aroclor 1260	30000	U

for 5/2/12

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E75AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM175

Matrix: (soil/water) SOIL

Lab Sample ID: 1204450-005A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00129.raw

% Moisture: 8

Decanted: (Y/N) N

Date Received: 04/10/12

Extraction: (Type)

PFEX

Date Extracted: 04/10/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/11/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	~~UX~~ <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~580~~	~~EZ~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E75ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM175

Matrix: (soil/water) SOIL

Lab Sample ID: 1204450-005ADL

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00141.raw

% Moisture: 8 Decanted: (Y/N) N

Date Received: 04/10/12

Extraction: (Type) PFEX

Date Extracted: 04/10/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/11/12

Injection Volume: 0.5 (uL)

Dilution Factor: 500.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~18000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~36000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~18000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~18000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~18000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~18000~~	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~20000~~	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E75BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM175

Matrix: (soil/water) SOIL

Lab Sample ID: 1204450-006A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00130.raw

% Moisture: 6.7 Decanted: (Y/N) N

Date Received: 04/10/12

Extraction: (Type) PFEX

Date Extracted: 04/10/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/11/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	72	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	UX <u>4J</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~750~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E75BSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM175

Matrix: (soil/water) SOIL

Lab Sample ID: 1204450-006ADL

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00140.raw

% Moisture: 6.7 Decanted: (Y/N) N

Date Received: 04/10/12

Extraction: (Type) PPEX

Date Extracted: 04/10/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/11/12

Injection Volume: 0.5 (uL)

Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~71~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~140~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~71~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~71~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~71~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~71~~	~~UX~~
~~11096-82-5~~	~~Aroclor 1260~~	~~640~~	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E75CD

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM175

Matrix: (soil/water) SOIL

Lab Sample ID: 1204450-007A

Sample wt/vol: 15 (g/mL) g

Lab File ID: a00131.raw

% Moisture: 5.3 Decanted: (Y/N) N

Date Received: 04/10/12

Extraction: (Type) PFEX

Date Extracted: 04/10/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/11/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	71	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	71	

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E75CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM175Matrix: (soil/water) SOILLab Sample ID: 1204450-008ASample wt/vol: 15 (g/mL) gLab File ID: a00132.raw% Moisture: 5.5 Decanted: (Y/N) NDate Received: 04/10/12Extraction: (Type) PFEXDate Extracted: 04/10/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/11/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	71	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	99	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E87AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212151-001A

Sample wt/vol: 15.03 (g/mL) g

Lab File ID: a00027.raw

% Moisture: 7.1 Decanted: (Y/N) N

Date Received: 12/04/12

Extraction: (Type) PFEX

Date Extracted: 12/04/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/05/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	72	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	UX <u>UJ</u>
11097-69-1	Aroclor 1254	35	UX <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~1200~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E87ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212151-001ADL

Sample wt/vol: 15.03 (g/mL) g

Lab File ID: a00053.raw

% Moisture: 7.1 Decanted: (Y/N) N

Date Received: 12/04/12

Extraction: (Type) PFEX

Date Extracted: 12/04/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/05/12

Injection Volume: 0.5 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$)	UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~180~~	<del></del>	~~U~~
11104-28-2	Aroclor 1221	360		U
11141-16-5	Aroclor 1232	180		U
53469-21-9	Aroclor 1242	180		U
12672-29-6	Aroclor 1248	180		U
~~11097-69-1~~	~~Aroclor 1254~~	~~180~~	<del></del>	~~U~~
11096-82-5	Aroclor 1260	1100		D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E79AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206Matrix: (soil/water) SOILLab Sample ID: 1212151-002ASample wt/vol: 15.02 (g/mL) gLab File ID: a00028.raw% Moisture: 8 Decanted: (Y/N) NDate Received: 12/04/12Extraction: (Type) PPEXDate Extracted: 12/04/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/05/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	U
11096-82-5	Aroclor 1260	90	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E79BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212151-003A

Sample wt/vol: 15.06 (g/mL) g

Lab File ID: a00029.raw

% Moisture: 2.5 Decanted: (Y/N) N

Date Received: 12/04/12

Extraction: (Type) PFEX

Date Extracted: 12/04/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/05/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	68	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	25	J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E80AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212151-004A

Sample wt/vol: 15.07 (g/mL) g

Lab File ID: a00030.raw

% Moisture: 9.2 Decanted: (Y/N) N

Date Received: 12/04/12

Extraction: (Type) PFEX

Date Extracted: 12/04/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/05/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/KG Q

CAS NO	COMPOUND		
12674-11-2	Aroclor 1016	36	UX <u>UJ</u>
11104-28-2	Aroclor 1221	73	UX <u>UJ</u>
11141-16-5	Aroclor 1232	36	UX <u>UJ</u>
53469-21-9	Aroclor 1242	36	UX <u>UJ</u>
12672-29-6	Aroclor 1248	36	UX <u>UJ</u>
11097-69-1	Aroclor 1254	36	UX <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~590~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E80ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212151-004ADL

Sample wt/vol: 15.07 (g/mL) g

Lab File ID: a00071.raw

% Moisture: 9.2 Decanted: (Y/N) N

Date Received: 12/04/12

Extraction: (Type) PFEX

Date Extracted: 12/04/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/06/12

Injection Volume: 0.5 (uL)

Dilution Factor: 500.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~18000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~37000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~18000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~18000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~18000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~18000~~	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~130000~~	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E80BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212151-005A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00031.raw

% Moisture: 2.9 Decanted: (Y/N) N

Date Received: 12/04/12

Extraction: (Type) PFEX

Date Extracted: 12/04/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/05/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/KG Q

CAS NO	COMPOUND		
12674-11-2	Aroclor 1016	34	~~UX~~ <u>UJ</u>
11104-28-2	Aroclor 1221	69	~~UX~~ <u>UJ</u>
11141-16-5	Aroclor 1232	34	~~UX~~ <u>UJ</u>
53469-21-9	Aroclor 1242	34	~~UX~~ <u>UJ</u>
12672-29-6	Aroclor 1248	34	~~UX~~ <u>UJ</u>
11097-69-1	Aroclor 1254	34	~~UX~~ <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~550~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E80BSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212151-005ADL

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00072.raw

% Moisture: 2.9 Decanted: (Y/N) N

Date Received: 12/04/12

Extraction: (Type) PFEX

Date Extracted: 12/04/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/06/12

Injection Volume: 0.5 (uL)

Dilution Factor: 3,000.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~100000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~210000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~100000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~100000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~100000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~100000~~	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~860000~~	~~D~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E81AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206Matrix: (soil/water) SOILLab Sample ID: 1212151-006ASample wt/vol: 15.03 (g/mL) gLab File ID: a00038.raw% Moisture: 9.4 Decanted: (Y/N) NDate Received: 12/04/12Extraction: (Type) PFEXDate Extracted: 12/04/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/05/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	~~UX~~ <u>US</u>
11104-28-2	Aroclor 1221	74	~~UX~~ <u>US</u>
11141-16-5	Aroclor 1232	36	~~UX~~ <u>US</u>
53469-21-9	Aroclor 1242	36	~~UX~~ <u>US</u>
12672-29-6	Aroclor 1248	36	~~UX~~ <u>US</u>
11097-69-1	Aroclor 1254	36	~~UX~~ <u>US</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~590~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E81ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212151-006ADL

Sample wt/vol: 15.03 (g/mL) g

Lab File ID: a00057.raw

% Moisture: 9.4 Decanted: (Y/N) N

Date Received: 12/04/12

Extraction: (Type) PFEX

Date Extracted: 12/04/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/05/12

Injection Volume: 0.5 (uL)

Dilution Factor: 500.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/KG

Q

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~18000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~37000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~18000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~18000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~18000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~18000~~	~~U~~
11096-82-5	Aroclor 1260	77000	<u>P</u>

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E81BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212151-007A

Sample wt/vol: 15.06 (g/mL) g

Lab File ID: a00032.raw

% Moisture: 3.1 Decanted: (Y/N) N

Date Received: 12/04/12

Extraction: (Type) PFEX

Date Extracted: 12/04/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/05/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	75	FJ

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E84AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212151-008A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00033.raw

% Moisture: 1.9 Decanted: (Y/N) N

Date Received: 12/04/12

Extraction: (Type) PFEX

Date Extracted: 12/04/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/05/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/KG

Q

CAS NO	COMPOUND		
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	68	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	72	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E84BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212151-009A

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00034.raw

% Moisture: 3.5 Decanted: (Y/N) N

Date Received: 12/04/12

Extraction: (Type) PFEX

Date Extracted: 12/04/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/05/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	41	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E85AD

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212151-010A

Sample wt/vol: 15.05 (g/mL) g

Lab File ID: a00035.raw

% Moisture: 9.6 Decanted: (Y/N) N

Date Received: 12/04/12

Extraction: (Type) PFEX

Date Extracted: 12/04/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/05/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	UX <u>45</u>
11096-82-5	Aroclor 1260	320	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E85AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212151-011A

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00036.raw

% Moisture: 9.2 Decanted: (Y/N) N

Date Received: 12/04/12

Extraction: (Type) PFEK

Date Extracted: 12/04/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/05/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	UK <u>UJ</u>
11096-82-5	Aroclor 1260	270	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E85BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212151-012A

Sample wt/vol: 15.06 (g/mL) g

Lab File ID: a00037.raw

% Moisture: 4.8 Decanted: (Y/N) N

Date Received: 12/04/12

Extraction: (Type) PFEX

Date Extracted: 12/04/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/05/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	42	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E76AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECON-M

SAS No.: _____

SDG No.: AECON206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212473-001A

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00186.raw

% Moisture: 18 Decanted: (Y/N) N

Date Received: 12/10/12

Extraction: (Type) PFEX

Date Extracted: 12/10/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/11/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	81	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	40	UX <u>UJ</u>
11097-69-1	Aroclor 1254	40	UX <u>UJ</u>
11096-82-5	Aroclor 1260	930	E

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E76AS (1-2)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212473-001ADL

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00194.raw

% Moisture: 18 Decanted: (Y/N) N

Date Received: 12/10/12

Extraction: (Type) PFEX

Date Extracted: 12/10/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/11/12

Injection Volume: 0.5 (uL)

Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/KG

Q

CAS NO	COMPOUND		
~~12674-11-2~~	~~Aroclor 1016~~	~~80~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~160~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~80~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~80~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~80~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~80~~	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~930~~	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E76BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212473-002A

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00182.raw

% Moisture: 19 Decanted: (Y/N) N

Date Received: 12/10/12

Extraction: (Type) PFEX

Date Extracted: 12/10/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/11/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	41	U
11104-28-2	Aroclor 1221	83	U
11141-16-5	Aroclor 1232	41	U
53469-21-9	Aroclor 1242	41	U
12672-29-6	Aroclor 1248	41	U
11097-69-1	Aroclor 1254	41	U
11096-82-5	Aroclor 1260	41	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E77AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212473-003A

Sample wt/vol: 15.07 (g/mL) g

Lab File ID: a00183.raw

% Moisture: 8.3 Decanted: (Y/N) N

Date Received: 12/10/12

Extraction: (Type) PFEX

Date Extracted: 12/10/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/11/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	U
11096-82-5	Aroclor 1260	36	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E77AD (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212473-004A

Sample wt/vol: 15.03 (g/mL) g

Lab File ID: a00184.raw

% Moisture: 8.1 Decanted: (Y/N) N

Date Received: 12/10/12

Extraction: (Type) PFEX

Date Extracted: 12/10/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/11/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	U
11096-82-5	Aroclor 1260	36	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E76CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212473-005A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00185.raw

% Moisture: 15 Decanted: (Y/N) N

Date Received: 12/10/12

Extraction: (Type) PFEX

Date Extracted: 12/10/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/11/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	78	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	39	U
11096-82-5	Aroclor 1260	39	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E77BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212473-006A

Sample wt/vol: 15.06 (g/mL) g

Lab File ID: a00187.raw

% Moisture: 13 Decanted: (Y/N) N

Date Received: 12/10/12

Extraction: (Type) PFEX

Date Extracted: 12/10/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/11/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	150	U
11104-28-2	Aroclor 1221	310	U
11141-16-5	Aroclor 1232	150	U
53469-21-9	Aroclor 1242	150	U
12672-29-6	Aroclor 1248	150	U
11097-69-1	Aroclor 1254	150	U
11096-82-5	Aroclor 1260	150	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E95BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206Matrix: (soil/water) SOILLab Sample ID: 1212546-001ASample wt/vol: 15.06 (g/mL) gLab File ID: a00220.raw% Moisture: 9.5 Decanted: (Y/N) NDate Received: 12/11/12

Extraction: (Type)

PFEXDate Extracted: 12/11/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/12/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 5.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	UX-45
11096-82-5	Aroclor 1260	110	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E95AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206

Matrix: (soil/water) SOIL

Lab Sample ID: 1212546-002A

Sample wt/vol: 15.05 (g/mL) g

Lab File ID: a00221.raw

% Moisture: 8.6 Decanted: (Y/N) N

Date Received: 12/11/12

Extraction: (Type) PFEX

Date Extracted: 12/11/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/KG Q

CAS NO	COMPOUND		
12674-11-2	Aroclor 1016	36	~~UX~~ <u>UJ</u>
11104-28-2	Aroclor 1221	73	~~UX~~ <u>UJ</u>
11141-16-5	Aroclor 1232	36	~~UX~~ <u>UJ</u>
53469-21-9	Aroclor 1242	36	~~UX~~ <u>UJ</u>
12672-29-6	Aroclor 1248	36	~~UX~~ <u>UJ</u>
11097-69-1	Aroclor 1254	36	~~UX~~ <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~590~~	~~E~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E95AS (1-2)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM206Matrix: (soil/water) SOILLab Sample ID: 1212546-002ADLSample wt/vol: 15.05 (g/mL) gLab File ID: a00237.raw% Moisture: 8.6 Decanted: (Y/N) NDate Received: 12/11/12Extraction: (Type) PFEXDate Extracted: 12/11/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/12/12Injection Volume: 0.5 (uL)Dilution Factor: 500.00GPC Cleanup: (Y/N) NpH: 6.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~18000~~	~~U~~
11104-28-2	Aroclor 1221	37000	U
11141-16-5	Aroclor 1232	18000	U
53469-21-9	Aroclor 1242	18000	U
12672-29-6	Aroclor 1248	18000	U
11097-69-1	Aroclor 1254	18000	U
11096-82-5	Aroclor 1260	160000	P

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E87BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207Matrix: (soil/water) SOILLab Sample ID: 1212234-001ASample wt/vol: 15.02 (g/mL) gLab File ID: a00075.raw% Moisture: 6.3 Decanted: (Y/N) NDate Received: 12/05/12Extraction: (Type) PFEKDate Extracted: 12/05/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/06/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 6.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	71	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	UX <u>US</u>
11097-69-1	Aroclor 1254	35	UX <u>US</u>
11096-82-5	Aroclor 1260	2700	E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E87BS (4-5)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207Matrix: (soil/water) SOILLab Sample ID: 1212234-001ADLSample wt/vol: 15.02 (g/mL) gLab File ID: a00094.raw% Moisture: 6.3 Decanted: (Y/N) NDate Received: 12/05/12

Extraction: (Type)

PFEXDate Extracted: 12/05/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/06/12Injection Volume: 0.5 (uL)Dilution Factor: 10.00GPC Cleanup: (Y/N) NpH: 6.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$)	UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~350~~	<del></del>	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~710~~	<del></del>	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~350~~	<del></del>	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~350~~	<del></del>	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~350~~	<del></del>	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~350~~	<del></del>	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~2800~~	<del></del>	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E78AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212234-002A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00083.raw

% Moisture: 15 Decanted: (Y/N) N

Date Received: 12/05/12

Extraction: (Type) PFEX

Date Extracted: 12/05/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/06/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/KG

Q

CAS NO	COMPOUND		
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	78	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	UX <u>UJ</u>
11097-69-1	Aroclor 1254	38	UX <u>UJ</u>
11096-82-5	Aroclor 1260	2400	E

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E78AS (1-2)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212234-002ADL

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00099.raw

% Moisture: 15 Decanted: (Y/N) N

Date Received: 12/05/12

Extraction: (Type)

PFEX

Date Extracted: 12/05/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/06/12

Injection Volume: 0.5 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~380~~	~~U~~
11104-28-2	Aroclor 1221	780	U
11141-16-5	Aroclor 1232	380	U
53469-21-9	Aroclor 1242	380	U
12672-29-6	Aroclor 1248	380	U
~~11097-69-1~~	~~Aroclor 1254~~	~~380~~	~~U~~
11096-82-5	Aroclor 1260	2400	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E78BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212234-003A

Sample wt/vol: 15.03 (g/mL) g

Lab File ID: a00076.raw

% Moisture: 3.4 Decanted: (Y/N) N

Date Received: 12/05/12

Extraction: (Type) PFEX

Date Extracted: 12/05/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/06/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E86AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212234-004A

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00077.raw

% Moisture: 11

Decanted: (Y/N) N

Date Received: 12/05/12

Extraction: (Type)

PFEX

Date Extracted: 12/05/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/06/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/KG

Q

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	37	UX <u>45</u>
11104-28-2	Aroclor 1221	75	UX <u>45</u>
11141-16-5	Aroclor 1232	37	UX <u>45</u>
53469-21-9	Aroclor 1242	37	UX <u>45</u>
12672-29-6	Aroclor 1248	37	UX <u>45</u>
11097-69-1	Aroclor 1254	37	UX <u>45</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~600~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E86AS (1-2)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212234-004ADL

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00112.raw

% Moisture: 11

Decanted: (Y/N) N

Date Received: 12/05/12

Extraction: (Type)

PFEX

Date Extracted: 12/05/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/07/12

Injection Volume: 0.5 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(μ g/L or μ g/Kg) UG/KG Q

CAS NO	COMPOUND	(μ g/L or μ g/Kg) <u>UG/KG</u>	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~3700~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~7500~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~3700~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~3700~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~3700~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~3700~~	~~U~~
11096-82-5	Aroclor 1260	16000	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E86BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212234-005A

Sample wt/vol: 15.06 (g/mL) g

Lab File ID: a00078.raw

% Moisture: 3.6 Decanted: (Y/N) N

Date Received: 12/05/12

Extraction: (Type) PFEX

Date Extracted: 12/05/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/06/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	UX <i>US</i>
11097-69-1	Aroclor 1254	34	UX <i>US</i>
~~11096-82-5~~	~~Aroclor 1260~~	~~1300~~	~~H~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E86BS (4-5)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212234-005ADL

Sample wt/vol: 15.06 (g/mL) g

Lab File ID: a00096.raw

% Moisture: 3.6 Decanted: (Y/N) N

Date Received: 12/05/12

Extraction: (Type) PFEX

Date Extracted: 12/05/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/06/12

Injection Volume: 0.5 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~340~~	~~U~~
11104-28-2	Aroclor 1221	690	U
11141-16-5	Aroclor 1232	340	U
53469-21-9	Aroclor 1242	340	U
12672-29-6	Aroclor 1248	340	U
~~11097-69-1~~	~~Aroclor 1254~~	~~340~~	~~U~~
11096-82-5	Aroclor 1260	1600	D

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E86CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212234-006A

Sample wt/vol: 15.07 (g/mL) g

Lab File ID: a00079.raw

% Moisture: 8.9 Decanted: (Y/N) N

Date Received: 12/05/12

Extraction: (Type) PFEX

Date Extracted: 12/05/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/06/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	UX <i>4J</i>
11096-82-5	Aroclor 1260	690	E

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E86CS (7-9)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212234-006ADL

Sample wt/vol: 15.07 (g/mL) g

Lab File ID: a00097.raw

% Moisture: 8.9 Decanted: (Y/N) N

Date Received: 12/05/12

Extraction: (Type) PFEX

Date Extracted: 12/05/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/06/12

Injection Volume: 0.5 (uL)

Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~72~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~150~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~72~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~72~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~72~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~72~~	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~730~~	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E82AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212234-007A

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00082.raw

% Moisture: 8 Decanted: (Y/N) N

Date Received: 12/05/12

Extraction: (Type) PFEX

Date Extracted: 12/05/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/06/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	UX <u>US</u>
11104-28-2	Aroclor 1221	73	UX <u>US</u>
11141-16-5	Aroclor 1232	36	UX <u>US</u>
53469-21-9	Aroclor 1242	36	UX <u>US</u>
12672-29-6	Aroclor 1248	36	UX <u>US</u>
11097-69-1	Aroclor 1254	36	UX <u>US</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~580~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E82AS (1-2)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212234-007ADL

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00098.raw

% Moisture: 8 Decanted: (Y/N) N

Date Received: 12/05/12

Extraction: (Type) PFEX

Date Extracted: 12/05/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/06/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1,000.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~36000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~73000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~36000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~36000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~36000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~36000~~	~~U~~
11096-82-5	Aroclor 1260	54000	P

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E82BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212234-008A

Sample wt/vol: 15.06 (g/mL) g

Lab File ID: a00080.raw

% Moisture: 4.4 Decanted: (Y/N) N

Date Received: 12/05/12

Extraction: (Type) PFEX

Date Extracted: 12/05/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/06/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	~~UK~~ UJ
11096-82-5	Aroclor 1260	150	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E85CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212234-009A

Sample wt/vol: 15.05 (g/mL) g

Lab File ID: a00081.raw

% Moisture: 3.4 Decanted: (Y/N) N

Date Received: 12/05/12

Extraction: (Type) PFEX

Date Extracted: 12/05/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/06/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E87 EB

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207Matrix: (soil/water) WATERLab Sample ID: 1212234-010ASample wt/vol: 1000 (g/mL) mlLab File ID: a00070.raw

% Moisture:

Decanted: (Y/N) NDate Received: 12/05/12

Extraction: (Type)

SEPFDate Extracted: 12/05/12Concentrated Extract Volume: 10000 (uL)Date Analyzed: 12/06/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/L</u>	<u>Q</u>
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	2.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	0.64	J

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E92AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207Matrix: (soil/water) SOILLab Sample ID: 1212410-001ASample wt/vol: 15.02 (g/mL) gLab File ID: a00168.raw% Moisture: 8.8 Decanted: (Y/N) NDate Received: 12/07/12Extraction: (Type) PFEXDate Extracted: 12/07/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/10/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(μ g/L or μ g/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	~~UK~~ <u>US</u>
11096-82-5	Aroclor 1260	280	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E92BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212410-002A

Sample wt/vol: 15.06 (g/mL) g

Lab File ID: a00169.raw

% Moisture: 16 Decanted: (Y/N) N

Date Received: 12/07/12

Extraction: (Type) PFEX

Date Extracted: 12/07/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/10/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/KG

Q

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	Q
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	79	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	39	U
11096-82-5	Aroclor 1260	160	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E92BD (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212410-003A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00170.raw

% Moisture: 15 Decanted: (Y/N) N

Date Received: 12/07/12

Extraction: (Type) PFEX

Date Extracted: 12/07/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/10/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	78	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	39	U
11096-82-5	Aroclor 1260	150	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E82CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212410-004A

Sample wt/vol: 15.03 (g/mL) g

Lab File ID: a00164.raw

% Moisture: 3.3 Decanted: (Y/N) N

Date Received: 12/07/12

Extraction: (Type) PFEX

Date Extracted: 12/07/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/10/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	64	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E88CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212410-005A

Sample wt/vol: 15.07 (g/mL) g

Lab File ID: a00165.raw

% Moisture: 2.7 Decanted: (Y/N) N

Date Received: 12/07/12

Extraction: (Type) PFEX

Date Extracted: 12/07/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/10/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E89CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212410-006A

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00166.raw

% Moisture: 3.8 Decanted: (Y/N) N

Date Received: 12/07/12

Extraction: (Type) PFEEX

Date Extracted: 12/07/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/10/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E90CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212410-007A

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00167.raw

% Moisture: 2.7 Decanted: (Y/N) N

Date Received: 12/07/12

Extraction: (Type) PFEX

Date Extracted: 12/07/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/10/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	26	J

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E92CS (7-8.5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207Matrix: (soil/water) SOILLab Sample ID: 1212410-008ASample wt/vol: 15.05 (g/mL) gLab File ID: a00171.raw% Moisture: 15 Decanted: (Y/N) NDate Received: 12/07/12Extraction: (Type) PFEXDate Extracted: 12/07/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/10/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	79	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	39	U
11096-82-5	Aroclor 1260	150	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E92 EB

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207Matrix: (soil/water) WATERLab Sample ID: 1212410-009ASample wt/vol: 1000 (g/mL) mlLab File ID: a00175.raw

% Moisture:

Decanted: (Y/N) NDate Received: 12/07/12

Extraction: (Type)

SEPFDate Extracted: 12/10/12Concentrated Extract Volume: 10000 (uL)Date Analyzed: 12/10/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(μ g/L or μ g/Kg) <u>UG/L</u>	Q
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	2.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E83AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207Matrix: (soil/water) SOILLab Sample ID: 1212542-001ASample wt/vol: 15.02 (g/mL) gLab File ID: a00211.raw% Moisture: 13 Decanted: (Y/N) NDate Received: 12/11/12Extraction: (Type) PFEXDate Extracted: 12/11/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/12/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 6.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(μg/L or μg/Kg) UG/KG Q

CAS NO	COMPOUND	(μg/L or μg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	38	UK <u>US</u>
11104-28-2	Aroclor 1221	77	UK <u>US</u>
11141-16-5	Aroclor 1232	38	UK <u>US</u>
53469-21-9	Aroclor 1242	38	UK <u>US</u>
12672-29-6	Aroclor 1248	38	UK <u>US</u>
11097-69-1	Aroclor 1254	38	UK <u>US</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~620~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E83AS (1-2)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212542-001ADL

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00233.raw

% Moisture: 13 Decanted: (Y/N) N

Date Received: 12/11/12

Extraction: (Type) PFEX

Date Extracted: 12/11/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1,000.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~38000~~	~~U~~
11104-28-2	Aroclor 1221	77000	U
11141-16-5	Aroclor 1232	38000	U
53469-21-9	Aroclor 1242	38000	U
12672-29-6	Aroclor 1248	38000	U
~~11097-69-1~~	~~Aroclor 1254~~	~~38000~~	~~U~~
11096-82-5	Aroclor 1260	130000	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E83BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207

Matrix: (soil/water) SOIL

Lab Sample ID: 1212542-002A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00224.raw

% Moisture: 3.7 Decanted: (Y/N) N

Date Received: 12/11/12

Extraction: (Type) PFEX

Date Extracted: 12/11/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

($\mu\text{g/L}$ or $\mu\text{g/Kg}$) UG/KG Q

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	Q
12674-11-2	Aroclor 1016	140	U
11104-28-2	Aroclor 1221	280	U
11141-16-5	Aroclor 1232	140	U
53469-21-9	Aroclor 1242	140	U
12672-29-6	Aroclor 1248	140	U
11097-69-1	Aroclor 1254	140	U
11096-82-5	Aroclor 1260	140	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E95BD (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM207Matrix: (soil/water) SOILLab Sample ID: 1212542-003ASample wt/vol: 15.05 (g/mL) gLab File ID: a00223.raw% Moisture: 8.2 Decanted: (Y/N) NDate Received: 12/11/12

Extraction: (Type)

PFEXDate Extracted: 12/11/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/12/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 5.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	<u>U</u>
11104-28-2	Aroclor 1221	73	<u>U</u>
11141-16-5	Aroclor 1232	36	<u>U</u>
53469-21-9	Aroclor 1242	36	<u>U</u>
12672-29-6	Aroclor 1248	36	<u>U</u>
11097-69-1	Aroclor 1254	36	<u>U</u>
11096-82-5	Aroclor 1260	36	<u>U</u>

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E88AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) SOIL

Lab Sample ID: 1212329-001A

Sample wt/vol: 15.05 (g/mL) g

Lab File ID: a00126.raw

% Moisture: 5 Decanted: (Y/N) N

Date Received: 12/06/12

Extraction: (Type) PFX

Date Extracted: 12/06/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/07/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	35	<u>U</u>
11104-28-2	Aroclor 1221	70	<u>U</u>
11141-16-5	Aroclor 1232	35	<u>U</u>
53469-21-9	Aroclor 1242	35	<u>U</u>
12672-29-6	Aroclor 1248	35	<u>U</u>
11097-69-1	Aroclor 1254	35	<u>U</u>
11096-82-5	Aroclor 1260	60	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E88BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) SOIL

Lab Sample ID: 1212329-002A

Sample wt/vol: 15.05 (g/mL) g

Lab File ID: a00115.raw

% Moisture: 2.9 Decanted: (Y/N) N

Date Received: 12/06/12

Extraction: (Type) PFEX

Date Extracted: 12/06/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/07/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E88AD (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) SOIL

Lab Sample ID: 1212329-003A

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00127.raw

% Moisture: 5 Decanted: (Y/N) N

Date Received: 12/06/12

Extraction: (Type) PFEX

Date Extracted: 12/06/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/07/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	73	

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E84CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208Matrix: (soil/water) SOILLab Sample ID: 1212329-004ASample wt/vol: 15.03 (g/mL) gLab File ID: a00116.raw% Moisture: 2.6 Decanted: (Y/N) NDate Received: 12/06/12

Extraction: (Type)

PFEXDate Extracted: 12/06/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/07/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E89AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) SOIL

Lab Sample ID: 1212329-005A

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00117.raw

% Moisture: 7.6 Decanted: (Y/N) N

Date Received: 12/06/12

Extraction: (Type) PPEX

Date Extracted: 12/06/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/07/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	UX <u>US</u>
11104-28-2	Aroclor 1221	72	UX <u>US</u>
11141-16-5	Aroclor 1232	36	UX <u>US</u>
53469-21-9	Aroclor 1242	36	UX <u>US</u>
12672-29-6	Aroclor 1248	36	UX <u>US</u>
11097-69-1	Aroclor 1254	36	UX <u>US</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~2700~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E89AS (1-2)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) SOIL

Lab Sample ID: 1212329-005ADL

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00135.raw

% Moisture: 7.6 Decanted: (Y/N) N

Date Received: 12/06/12

Extraction: (Type) PFEEX

Date Extracted: 12/06/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/07/12

Injection Volume: 0.5 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(μ g/L or μ g/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~360~~	~~U~~
11104-28-2	Aroclor 1221	720	U
11141-16-5	Aroclor 1232	360	U
53469-21-9	Aroclor 1242	360	U
12672-29-6	Aroclor 1248	360	U
~~11097-69-1~~	~~Aroclor 1254~~	~~360~~	~~U~~
11096-82-5	Aroclor 1260	4300	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E89BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) SOIL

Lab Sample ID: 1212329-006A

Sample wt/vol: 15.06 (g/mL) g

Lab File ID: a00118.raw

% Moisture: 6 Decanted: (Y/N) N

Date Received: 12/06/12

Extraction: (Type) PFEX

Date Extracted: 12/06/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/07/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	71	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	35	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E81CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) SOIL

Lab Sample ID: 1212329-007A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00119.raw

% Moisture: 2.2 Decanted: (Y/N) N

Date Received: 12/06/12

Extraction: (Type) PFEX

Date Extracted: 12/06/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/07/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	68	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	43	~~U~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E80CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208Matrix: (soil/water) SOILLab Sample ID: 1212329-008ASample wt/vol: 15.06 (g/mL) gLab File ID: a00120.raw% Moisture: 2.9 Decanted: (Y/N) NDate Received: 12/06/12Extraction: (Type) PFEEXDate Extracted: 12/06/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/07/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	~~UX~~ <u>US</u>
11104-28-2	Aroclor 1221	69	~~UX~~ <u>US</u>
11141-16-5	Aroclor 1232	34	~~UX~~ <u>US</u>
53469-21-9	Aroclor 1242	34	~~UX~~ <u>US</u>
12672-29-6	Aroclor 1248	34	~~UX~~ <u>US</u>
11097-69-1	Aroclor 1254	34	~~UX~~ <u>US</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~550~~	~~E~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E80CS (7-9)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208Matrix: (soil/water) SOILLab Sample ID: 1212329-008ADLSample wt/vol: 15.06 (g/mL) gLab File ID: a00147.raw% Moisture: 2.9 Decanted: (Y/N) NDate Received: 12/06/12Extraction: (Type) PFFEXDate Extracted: 12/06/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/09/12Injection Volume: 0.5 (uL)Dilution Factor: 3,000.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~100000~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~210000~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~100000~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~100000~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~100000~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~100000~~	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~750000~~	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E79CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) SOIL

Lab Sample ID: 1212329-009A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00121.raw

% Moisture: 2.2 Decanted: (Y/N) N

Date Received: 12/06/12

Extraction: (Type) PFEX

Date Extracted: 12/06/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/07/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	68	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	~~U~~ <u>45</u>
11096-82-5	Aroclor 1260	280	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E90BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) SOIL

Lab Sample ID: 1212329-010A

Sample wt/vol: 15.07 (g/mL) g

Lab File ID: a00122.raw

% Moisture: 2.7 Decanted: (Y/N) N

Date Received: 12/06/12

Extraction: (Type) PFEX

Date Extracted: 12/06/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/07/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	30	J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E90AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) SOIL

Lab Sample ID: 1212329-011A

Sample wt/vol: 15.03 (g/mL) g

Lab File ID: a00128.raw

% Moisture: 5.6 Decanted: (Y/N) N

Date Received: 12/06/12

Extraction: (Type) PFEX

Date Extracted: 12/06/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/07/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(μ g/L or μ g/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	71	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	62	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E87CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) SOIL

Lab Sample ID: 1212329-012A

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00123.raw

% Moisture: 4.5 Decanted: (Y/N) N

Date Received: 12/06/12

Extraction: (Type) PFEX

Date Extracted: 12/06/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/07/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	21	J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E78CD (7-8)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) SOIL

Lab Sample ID: 1212329-013A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00124.raw

% Moisture: 2.9 Decanted: (Y/N) N

Date Received: 12/06/12

Extraction: (Type) PFEX

Date Extracted: 12/06/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/07/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	~~UX~~ 45
11096-82-5	Aroclor 1260	120	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E78CS (7-8)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) SOIL

Lab Sample ID: 1212329-014A

Sample wt/vol: 15.05 (g/mL) g

Lab File ID: a00125.raw

% Moisture: 2.9 Decanted: (Y/N) N

Date Received: 12/06/12

Extraction: (Type) PFEX

Date Extracted: 12/06/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/07/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E91AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) SOIL

Lab Sample ID: 1212545-001A

Sample wt/vol: 15.06 (g/mL) g

Lab File ID: a00216.raw

% Moisture: 15 Decanted: (Y/N) N

Date Received: 12/11/12

Extraction: (Type) PFEX

Date Extracted: 12/11/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	78	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	U
11096-82-5	Aroclor 1260	40	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E91BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) SOIL

Lab Sample ID: 1212545-002A

Sample wt/vol: 15.03 (g/mL) g

Lab File ID: a00217.raw

% Moisture: 7.7 Decanted: (Y/N) N

Date Received: 12/11/12

Extraction: (Type) PFEX

Date Extracted: 12/11/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	72	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	~~UX~~ <u>4J</u>
11097-69-1	Aroclor 1254	36	~~UX~~ <u>4J</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~1200~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E91BS (4-5)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) SOIL

Lab Sample ID: 1212545-002ADL

Sample wt/vol: 15.03 (g/mL) g

Lab File ID: a00235.raw

% Moisture: 7.7 Decanted: (Y/N) N

Date Received: 12/11/12

Extraction: (Type) PFEX

Date Extracted: 12/11/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/12

Injection Volume: 0.5 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$)	UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~180~~	~~U~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~360~~	~~U~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~180~~	~~U~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~180~~	~~U~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~180~~	~~U~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~180~~	~~U~~	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~1300~~	~~U~~	~~D~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E91CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208Matrix: (soil/water) SOILLab Sample ID: 1212545-003ASample wt/vol: 15.08 (g/mL) gLab File ID: a00218.raw% Moisture: 19 Decanted: (Y/N) NDate Received: 12/11/12Extraction: (Type) PFEXDate Extracted: 12/11/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/12/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	Q
12674-11-2	Aroclor 1016	41	U
11104-28-2	Aroclor 1221	83	U
11141-16-5	Aroclor 1232	41	U
53469-21-9	Aroclor 1242	41	U
12672-29-6	Aroclor 1248	41	U
11097-69-1	Aroclor 1254	41	U
11096-82-5	Aroclor 1260	81	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E77CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) SOIL

Lab Sample ID: 1212545-004A

Sample wt/vol: 15.07 (g/mL) g

Lab File ID: a00222.raw

% Moisture: 12 Decanted: (Y/N) N

Date Received: 12/11/12

Extraction: (Type) PFEX

Date Extracted: 12/11/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	76	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	U
11096-82-5	Aroclor 1260	37	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E83CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) SOIL

Lab Sample ID: 1212545-005A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00219.raw

% Moisture: 5.6 Decanted: (Y/N) N

Date Received: 12/11/12

Extraction: (Type) PFEX

Date Extracted: 12/11/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 5.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	71	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	~~U~~ <u>45</u>
11096-82-5	Aroclor 1260	130	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E88 EB

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) WATER

Lab Sample ID: 1212329-015A

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: a00110.raw

% Moisture:

Decanted: (Y/N) N

Date Received: 12/06/12

Extraction: (Type)

SEPF

Date Extracted: 12/06/12

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/07/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/L</u>	<u>Q</u>
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	2.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E91 EB

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM208

Matrix: (soil/water) WATER

Lab Sample ID: 1212545-006A

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: a00208.raw

% Moisture:

Decanted: (Y/N) N

Date Received: 12/11/12

Extraction: (Type)

SEPF

Date Extracted: 12/11/12

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/12/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/L</u>	<u>Q</u>
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	2.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E93AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-001A

Sample wt/vol: 15.03 (g/mL) g

Lab File ID: a00258.raw

% Moisture: 6.3 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFEK

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	71	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	UX-45
11097-69-1	Aroclor 1254	35	UX-45
~~11096-82-5~~	~~Aroclor 1260~~	~~1800~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E93AS (1-2)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-001ADL

Sample wt/vol: 15.03 (g/mL) g

Lab File ID: a00285.raw

% Moisture: 6.3 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFEX

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~350~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~710~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~350~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~350~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~350~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~350~~	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~1900~~	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E93BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-002A

Sample wt/vol: 15.05 (g/mL) g

Lab File ID: a00259.raw

% Moisture: 3.2 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFEX

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	20	J

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E94AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209Matrix: (soil/water) SOILLab Sample ID: 1212643-003ASample wt/vol: 15.07 (g/mL) gLab File ID: a00273.raw% Moisture: 8.9 Decanted: (Y/N) NDate Received: 12/12/12Extraction: (Type) PFEXDate Extracted: 12/12/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/13/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	~~UX~~ <u>US</u>
11104-28-2	Aroclor 1221	73	~~UX~~ <u>US</u>
11141-16-5	Aroclor 1232	36	~~UX~~ <u>US</u>
53469-21-9	Aroclor 1242	36	~~UX~~ <u>US</u>
12672-29-6	Aroclor 1248	36	~~UX~~ <u>US</u>
11097-69-1	Aroclor 1254	36	~~UX~~ <u>US</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~590~~	~~E~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E94AS (1-2)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209Matrix: (soil/water) SOILLab Sample ID: 1212643-003ADLSample wt/vol: 15.07 (g/mL) gLab File ID: a00306.raw% Moisture: 8.9Decanted: (Y/N) NDate Received: 12/12/12

Extraction: (Type)

PFEXDate Extracted: 12/12/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/14/12Injection Volume: 0.5 (uL)Dilution Factor: 100.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~3600~~	~~U~~
11104-28-2	Aroclor 1221	7300	U
11141-16-5	Aroclor 1232	3600	U
53469-21-9	Aroclor 1242	3600	U
12672-29-6	Aroclor 1248	3600	U
~~11097-69-1~~	~~Aroclor 1254~~	~~3600~~	~~U~~
11096-82-5	Aroclor 1260	16000	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E94BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-004A

Sample wt/vol: 15.06 (g/mL) g

Lab File ID: a00260.raw

% Moisture: 13

Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type)

PFEX

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

($\mu\text{g/L}$ or $\mu\text{g/Kg}$) UG/KG Q

CAS NO	COMPOUND		
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	77	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	U
11096-82-5	Aroclor 1260	80	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E95CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-005A

Sample wt/vol: 15.06 (g/mL) g

Lab File ID: a00261.raw

% Moisture: 4.4 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFEK

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	~~EX~~ UJ
11097-69-1	Aroclor 1254	34	~~EX~~ UJ
11096-82-5	Aroclor 1260	370	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E15ACS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-006A

Sample wt/vol: 15.03 (g/mL) g

Lab File ID: a00274.raw

% Moisture: 14 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFEK

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

($\mu\text{g/L}$ or $\mu\text{g/Kg}$) UG/KG Q

CAS NO	COMPOUND		
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	78	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	~~UX~~ <u>UJ</u>
11097-69-1	Aroclor 1254	38	~~UX~~ <u>UJ</u>
11096-82-5	Aroclor 1260	420	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E15ADS (10-12)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-007A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00275.raw

% Moisture: 19

Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type)

PFEX

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	41	U
11104-28-2	Aroclor 1221	83	U
11141-16-5	Aroclor 1232	41	U
53469-21-9	Aroclor 1242	41	U
12672-29-6	Aroclor 1248	41	U
11097-69-1	Aroclor 1254	41	U
11096-82-5	Aroclor 1260	41	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E15AES (15-17)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-008A

Sample wt/vol: 15.07 (g/mL) g

Lab File ID: a00262.raw

% Moisture: 15 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFEX

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	78	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	39	~~UX~~ <u>UJ</u>
11096-82-5	Aroclor 1260	110	

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E05ACS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209Matrix: (soil/water) SOILLab Sample ID: 1212643-009ASample wt/vol: 15.07 (g/mL) gLab File ID: a00263.raw% Moisture: 3.7 Decanted: (Y/N) NDate Received: 12/12/12Extraction: (Type) PFEXDate Extracted: 12/12/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/13/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 5.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	~~UX~~ <u>UJ</u>
11104-28-2	Aroclor 1221	69	~~UX~~ <u>UJ</u>
11141-16-5	Aroclor 1232	34	~~UX~~ <u>UJ</u>
53469-21-9	Aroclor 1242	34	~~UX~~ <u>UJ</u>
12672-29-6	Aroclor 1248	34	~~UX~~ <u>UJ</u>
11097-69-1	Aroclor 1254	34	~~UX~~ <u>UJ</u>
11096-82-5	Aroclor 1260	3300	~~E~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E05ACS (7-9)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209Matrix: (soil/water) SOILLab Sample ID: 1212643-009ADLSample wt/vol: 15.07 (g/mL) gLab File ID: a00286.raw% Moisture: 3.7 Decanted: (Y/N) NDate Received: 12/12/12Extraction: (Type) PFEXDate Extracted: 12/12/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/13/12Injection Volume: 0.5 (uL)Dilution Factor: 25.00GPC Cleanup: (Y/N) N pH: 5.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~850~~	~~U~~
11104-28-2	Aroclor 1221	1700	U
11141-16-5	Aroclor 1232	850	U
53469-21-9	Aroclor 1242	850	U
12672-29-6	Aroclor 1248	850	U
~~11097-69-1~~	~~Aroclor 1254~~	~~850~~	~~U~~
11096-82-5	Aroclor 1260	4400	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E05ACD (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-010A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00264.raw

% Moisture: 5.2 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFEX

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	35	UX <u>UJ</u>
11104-28-2	Aroclor 1221	71	UX <u>UJ</u>
11141-16-5	Aroclor 1232	35	UX <u>UJ</u>
53469-21-9	Aroclor 1242	35	UX <u>UJ</u>
12672-29-6	Aroclor 1248	35	UX <u>UJ</u>
11097-69-1	Aroclor 1254	35	UX <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~3400~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E05ACD (7-9)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-010ADL

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00287.raw

% Moisture: 5.2 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFEX

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 25.00

GPC Cleanup: (Y/N) N pH: 5.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$)	UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~870~~	~~U~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~1800~~	~~U~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~870~~	~~U~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~870~~	~~U~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~870~~	~~U~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~870~~	~~U~~	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~4100~~	~~U~~	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E05ADS (10-12)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-011A

Sample wt/vol: 15.05 (g/mL) g

Lab File ID: a00265.raw

% Moisture: 9.7 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFEX

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/KG Q

CAS NO	COMPOUND		
12674-11-2	Aroclor 1016	36	~~UX~~ <u>US</u>
11104-28-2	Aroclor 1221	74	~~UX~~ <u>US</u>
11141-16-5	Aroclor 1232	36	~~UX~~ <u>US</u>
53469-21-9	Aroclor 1242	36	~~UX~~ <u>US</u>
12672-29-6	Aroclor 1248	36	~~UX~~ <u>US</u>
11097-69-1	Aroclor 1254	36	~~UX~~ <u>US</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~590~~	~~EP~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E05ADS (10-12)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-011ADL

Sample wt/vol: 15.05 (g/mL) g

Lab File ID: a00288.raw

% Moisture: 9.7 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFEX

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: 5.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$)	UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~1800~~	~~U~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~3700~~	~~U~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~1800~~	~~U~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~1800~~	~~U~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~1800~~	~~U~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~1800~~	~~U~~	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~9100~~	~~U~~	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E05AES (15-17)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-012A

Sample wt/vol: 15.01 (g/mL) g

Lab File ID: a00266.raw

% Moisture: 9.5 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFEX

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	UX <u>US</u>
11104-28-2	Aroclor 1221	74	UX <u>US</u>
11141-16-5	Aroclor 1232	36	UX <u>US</u>
53469-21-9	Aroclor 1242	36	UX <u>US</u>
12672-29-6	Aroclor 1248	36	UX <u>US</u>
11097-69-1	Aroclor 1254	36	UX <u>US</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~590~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E05AES (15-17)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-012ADL

Sample wt/vol: 15.01 (g/mL) g

Lab File ID: a00290.raw

% Moisture: 9.5 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFEX

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~3600~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~7400~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~3600~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~3600~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~3600~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~3600~~	~~U~~
11096-82-5	Aroclor 1260	25000	D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E94CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209Matrix: (soil/water) SOILLab Sample ID: 1212643-013ASample wt/vol: 15.04 (g/mL) gLab File ID: a00267.raw% Moisture: 3.5 Decanted: (Y/N) NDate Received: 12/12/12Extraction: (Type) PFEXDate Extracted: 12/12/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/13/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	~~UK~~ <u>U</u>
11096-82-5	Aroclor 1260	160	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E96AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-014A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00271.raw

% Moisture: 9.2 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFEX

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	UX <u>45</u>
11104-28-2	Aroclor 1221	74	UX <u>45</u>
11141-16-5	Aroclor 1232	36	UX <u>45</u>
53469-21-9	Aroclor 1242	36	UX <u>45</u>
12672-29-6	Aroclor 1248	36	UX <u>45</u>
11097-69-1	Aroclor 1254	36	UX <u>45</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~590~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E96AS (1-2)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-014ADL

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00302.raw

% Moisture: 9.2 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFEX

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/14/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1,000.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~36000~~	~~U~~
11104-28-2	Aroclor 1221	74000	U
11141-16-5	Aroclor 1232	36000	U
53469-21-9	Aroclor 1242	36000	U
12672-29-6	Aroclor 1248	36000	U
~~11097-69-1~~	~~Aroclor 1254~~	~~36000~~	~~U~~
11096-82-5	Aroclor 1260	94000	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E96AD (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-015A

Sample wt/vol: 15.06 (g/mL) g

Lab File ID: a00272.raw

% Moisture: 8.9 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFEX

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	UX <u>43</u>
11104-28-2	Aroclor 1221	73	UX <u>43</u>
11141-16-5	Aroclor 1232	36	UX <u>43</u>
53469-21-9	Aroclor 1242	36	UX <u>43</u>
12672-29-6	Aroclor 1248	36	UX <u>43</u>
11097-69-1	Aroclor 1254	36	UX <u>43</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~590~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E96AD (1-2)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-015ADL

Sample wt/vol: 15.06 (g/mL) g

Lab File ID: a00303.raw

% Moisture: 8.9 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFEX

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/14/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1,000.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~36000~~	~~U~~
11104-28-2	Aroclor 1221	73000	U
11141-16-5	Aroclor 1232	36000	U
53469-21-9	Aroclor 1242	36000	U
12672-29-6	Aroclor 1248	36000	U
~~11097-69-1~~	~~Aroclor 1254~~	~~36000~~	~~U~~
11096-82-5	Aroclor 1260	61000	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E93CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-016A

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00268.raw

% Moisture: 3.1 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFEX

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	19	J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E96BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-017A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00269.raw

% Moisture: 6.1 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFX

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	71	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	89	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E96CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212643-018A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00270.raw

% Moisture: 7.5 Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) PFEX

Date Extracted: 12/12/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	72	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	~~UX~~ <u>US</u>
11097-69-1	Aroclor 1254	36	~~UX~~ <u>US</u>
11096-82-5	Aroclor 1260	460	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E93 EB

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) WATER

Lab Sample ID: 1212643-019A

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: a00253.raw

% Moisture: _____

Decanted: (Y/N) N

Date Received: 12/12/12

Extraction: (Type) _____

SEPF

Date Extracted: 12/12/12

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/13/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/L	Q
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	2.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E80DS (10-12)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209

Matrix: (soil/water) SOIL

Lab Sample ID: 1212736-001a

Sample wt/vol: 15.07 (g/mL) g

Lab File ID: a00382.raw

% Moisture: 10 Decanted: (Y/N) N

Date Received: 12/13/12

Extraction: (Type) PFEX

Date Extracted: 12/14/12

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/18/12

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	~~UK~~ <u>US</u>
11097-69-1	Aroclor 1254	37	~~UK~~ <u>US</u>
11096-82-5	Aroclor 1260	580	

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E80ES (15-17)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209Matrix: (soil/water) SOILLab Sample ID: 1212736-002aSample wt/vol: 15.02 (g/mL) gLab File ID: a00383.raw% Moisture: 5.4 Decanted: (Y/N) NDate Received: 12/13/12Extraction: (Type) PFEEXDate Extracted: 12/14/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/18/12Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	Q
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	71	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	~~UK~~ <u>UJ</u>
11097-69-1	Aroclor 1254	35	~~UK~~ <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~600~~	~~EP~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E80ES (15-17)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM209Matrix: (soil/water) SOILLab Sample ID: 1212736-002aDLSample wt/vol: 15.02 (g/mL) gLab File ID: a00362.raw% Moisture: 5.4 Decanted: (Y/N) NDate Received: 12/13/12Extraction: (Type) PFEKDate Extracted: 12/14/12Concentrated Extract Volume: 5000 (uL)Date Analyzed: 12/17/12Injection Volume: 0.5 (uL)Dilution Factor: 25.00GPC Cleanup: (Y/N) N pH: 7.0Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~870~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~1800~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~870~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~870~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~870~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~870~~	~~U~~
11096-82-5	Aroclor 1260	12000	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E97AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301975-001A

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00311.raw

% Moisture: 16 Decanted: (Y/N) N

Date Received: 01/22/13

Extraction: (Type) PFEX

Date Extracted: 01/22/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/23/13

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	78	U
11104-28-2	Aroclor 1221	160	U
11141-16-5	Aroclor 1232	78	U
53469-21-9	Aroclor 1242	78	U
12672-29-6	Aroclor 1248	78	U
11097-69-1	Aroclor 1254	78	U
11096-82-5	Aroclor 1260	620	J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E97AD (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301975-002A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00312.raw

% Moisture: 13 Decanted: (Y/N) N

Date Received: 01/22/13

Extraction: (Type) PFEX

Date Extracted: 01/22/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/23/13

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	76	U
11104-28-2	Aroclor 1221	150	U
11141-16-5	Aroclor 1232	76	U
53469-21-9	Aroclor 1242	76	U
12672-29-6	Aroclor 1248	76	U
11097-69-1	Aroclor 1254	76	U
~~11096-82-5~~	~~Aroclor 1260~~	~~1200~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E97AD (1-2)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301975-002ADL

Sample wt/vol: 15.04 (g/mL) ML

Lab File ID: a00367.raw

% Moisture: 13 Decanted: (Y/N) N

Date Received: 01/22/13

Extraction: (Type) PFEX

Date Extracted: 01/22/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/24/13

Injection Volume: 0.5 (uL)

Dilution Factor: 3.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~110~~	~~U~~
11104-28-2	Aroclor 1221	230	U
11141-16-5	Aroclor 1232	110	U
53469-21-9	Aroclor 1242	110	U
12672-29-6	Aroclor 1248	110	U
~~11097-69-1~~	~~Aroclor 1254~~	~~110~~	~~U~~
11096-82-5	Aroclor 1260	1300	~~U~~ J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E97BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301975-003A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00313.raw

% Moisture: 4

Decanted: (Y/N) N

Date Received: 01/22/13

Extraction: (Type)

PFEX

Date Extracted: 01/22/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/23/13

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E97CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301975-004A

Sample wt/vol: 15.02 (g/mL) g

Lab File ID: a00314.raw

% Moisture: 2.7 Decanted: (Y/N) N

Date Received: 01/22/13

Extraction: (Type) PFEX

Date Extracted: 01/22/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/23/13

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	<u>U</u>
11104-28-2	Aroclor 1221	69	<u>U</u>
11141-16-5	Aroclor 1232	34	<u>U</u>
53469-21-9	Aroclor 1242	34	<u>U</u>
12672-29-6	Aroclor 1248	34	<u>U</u>
11097-69-1	Aroclor 1254	34	<u>U</u>
11096-82-5	Aroclor 1260	34	<u>U</u>

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E98AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301975-005A

Sample wt/vol: 15.06 (g/mL) g

Lab File ID: a00317.raw

% Moisture: 9.4 Decanted: (Y/N) N

Date Received: 01/22/13

Extraction: (Type) PPEX

Date Extracted: 01/22/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/23/13

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	U
11096-82-5	Aroclor 1260	36	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E98BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301975-006A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00318.raw

% Moisture: 4.7 Decanted: (Y/N) N

Date Received: 01/22/13

Extraction: (Type) PFEX

Date Extracted: 01/22/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/23/13

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	35	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E98CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301975-007A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00319.raw

% Moisture: 3.3 Decanted: (Y/N) N

Date Received: 01/22/13

Extraction: (Type) PFEX

Date Extracted: 01/22/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/23/13

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	69	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	43	

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E99AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301975-008A

Sample wt/vol: 15.06 (g/mL) g

Lab File ID: a00320.raw

% Moisture: 10 Decanted: (Y/N) N

Date Received: 01/22/13

Extraction: (Type) PFEX

Date Extracted: 01/22/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/23/13

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	U
11096-82-5	Aroclor 1260	37	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E99BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301975-009A

Sample wt/vol: 15.05 (g/mL) g

Lab File ID: a00321.raw

% Moisture: 16 Decanted: (Y/N) N

Date Received: 01/22/13

Extraction: (Type) PFEX

Date Extracted: 01/22/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/23/13

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	79	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	39	UX <u>45</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~4700~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E99BS (4-5)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301975-009ADL

Sample wt/vol: 15.05 (g/mL) ML

Lab File ID: a00324.raw

% Moisture: 16 Decanted: (Y/N) N

Date Received: 01/22/13

Extraction: (Type) PFEX

Date Extracted: 01/22/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/23/13

Injection Volume: 0.5 (uL)

Dilution Factor: 25.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~980~~	~~U~~
11104-28-2	Aroclor 1221	2000	U
11141-16-5	Aroclor 1232	980	U
53469-21-9	Aroclor 1242	980	U
12672-29-6	Aroclor 1248	980	U
~~11097-69-1~~	~~Aroclor 1254~~	~~980~~	~~U~~
11096-82-5	Aroclor 1260	6100	P

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E97 EB

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) WATER

Lab Sample ID: 1301975-010A

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: a00362.raw

% Moisture: _____

Decanted: (Y/N) N

Date Received: 01/22/13

Extraction: (Type) _____

SEPF

Date Extracted: 01/23/13

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 01/24/13

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
12674-11-2	Aroclor 1016	1.0	<u>UJ</u>
11104-28-2	Aroclor 1221	2.0	<u>UJ</u>
11141-16-5	Aroclor 1232	1.0	<u>UJ</u>
53469-21-9	Aroclor 1242	1.0	<u>UJ</u>
12672-29-6	Aroclor 1248	1.0	<u>UJ</u>
11097-69-1	Aroclor 1254	1.0	<u>UJ</u>
11096-82-5	Aroclor 1260	1.0	<u>UJ</u>

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E99 EB

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) WATER

Lab Sample ID: 1301975-011A

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: a00363.raw

% Moisture:

Decanted: (Y/N) N

Date Received: 01/22/13

Extraction: (Type)

SEPF

Date Extracted: 01/23/13

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 01/24/13

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/L	Q
12674-11-2	Aroclor 1016	1.0	UJ
11104-28-2	Aroclor 1221	2.0	UJ
11141-16-5	Aroclor 1232	1.0	UJ
53469-21-9	Aroclor 1242	1.0	UJ
12672-29-6	Aroclor 1248	1.0	UJ
11097-69-1	Aroclor 1254	1.0	UJ
11096-82-5	Aroclor 1260	1.0	UJ

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1 E101AS (1-2)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301A41-001A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00372.raw

% Moisture: 14 Decanted: (Y/N) N

Date Received: 01/23/13

Extraction: (Type) PFEX

Date Extracted: 01/23/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/24/13

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	78	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	UK <u>45</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~12000~~	~~EY~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

S1 E101AS (1-2)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215Matrix: (soil/water) SOILLab Sample ID: 1301A41-001ADLSample wt/vol: 15.04 (g/mL) MLLab File ID: a00377.raw% Moisture: 14 Decanted: (Y/N) NDate Received: 01/23/13Extraction: (Type) PFEXDate Extracted: 01/23/13Concentrated Extract Volume: 5000 (uL)Date Analyzed: 01/24/13Injection Volume: 0.5 (uL)Dilution Factor: 50.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$)	UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~1900~~		~~U~~
11104-28-2	Aroclor 1221	3900		U
11141-16-5	Aroclor 1232	1900		U
53469-21-9	Aroclor 1242	1900		U
12672-29-6	Aroclor 1248	1900		U
~~11097-69-1~~	~~Aroclor 1254~~	~~1900~~		~~U~~
11096-82-5	Aroclor 1260	12000		D

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1 E101BS (4-5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301A41-002A

Sample wt/vol: 15.04 (g/mL) g

Lab File ID: a00373.raw

% Moisture: 4.3 Decanted: (Y/N) N

Date Received: 01/23/13

Extraction: (Type) PFEX

Date Extracted: 01/23/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/24/13

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
~~11096-82-5~~	~~Aroclor 1260~~	~~830~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1 E101BS (4-5)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301A41-002ADL

Sample wt/vol: 15.04 (g/mL) ML

Lab File ID: a00379.raw

% Moisture: 4.3 Decanted: (Y/N) N

Date Received: 01/23/13

Extraction: (Type) PFEX

Date Extracted: 01/23/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/24/13

Injection Volume: 0.5 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~170~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~350~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~170~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~170~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~170~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~170~~	~~U~~
11096-82-5	Aroclor 1260	840	~~U~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E99CS (7-9)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301B24-001A

Sample wt/vol: 15.05 (g/mL) g

Lab File ID: a00407.raw

% Moisture: 9.4 Decanted: (Y/N) N

Date Received: 01/25/13

Extraction: (Type) PFEX

Date Extracted: 01/25/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/28/13

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	U
11096-82-5	Aroclor 1260	270	

PESTICIDE ORGANICS ANALYSIS DATA SHEET

S1 (E101CD (7-9))

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215Matrix: (soil/water) SOILLab Sample ID: 1301B24-002ASample wt/vol: 15.03 (g/mL) gLab File ID: a00408.raw% Moisture: 2.2 Decanted: (Y/N) NDate Received: 01/25/13Extraction: (Type) PFEXDate Extracted: 01/25/13Concentrated Extract Volume: 5000 (uL)Date Analyzed: 01/28/13Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	68	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
~~11096-82-5~~	~~Aroclor 1260~~	~~1800~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1 (E101CD (7-9))

CL
2

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301B24-002ADL

Sample wt/vol: 15.03 (g/mL) ML

Lab File ID: a00417.raw

% Moisture: 2.2 Decanted: (Y/N) N

Date Received: 01/25/13

Extraction: (Type) PFEX

Date Extracted: 01/25/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/29/13

Injection Volume: 0.5 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
~~12674-11-2~~	~~Aroclor 1016~~	~~340~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~680~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~340~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~340~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~340~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~340~~	~~U~~
11096-82-5	Aroclor 1260	2000	~~D~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1 (E101CS (7-9))

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301B24-003A

Sample wt/vol: 15.03 (g/mL) g

Lab File ID: a00409.raw

% Moisture: 2 Decanted: (Y/N) N

Date Received: 01/25/13

Extraction: (Type) PFEX

Date Extracted: 01/25/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/28/13

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	68	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
~~11096-82-5~~	~~Aroclor 1260~~	~~2000~~	~~E~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1 (E101CS (7-9)) DL

CLG
2/1Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215Matrix: (soil/water) SOILLab Sample ID: 1301B24-003ADLSample wt/vol: 15.03 (g/mL) MLLab File ID: a00418.raw% Moisture: 2 Decanted: (Y/N) NDate Received: 01/25/13Extraction: (Type) PFEKDate Extracted: 01/25/13Concentrated Extract Volume: 5000 (uL)Date Analyzed: 01/29/13Injection Volume: 0.5 (uL)Dilution Factor: 10.00GPC Cleanup: (Y/N) N pH:Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$)	UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~340~~	~~U~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~680~~	~~U~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~340~~	~~U~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~340~~	~~U~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~340~~	~~U~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~340~~	~~U~~	~~U~~
11096-82-5	Aroclor 1260	2000		~~P~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E05AFS (17-19)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301C37-001A

Sample wt/vol: 15.01 (g/mL) g

Lab File ID: a00430.raw

% Moisture: 12 Decanted: (Y/N) N

Date Received: 01/29/13

Extraction: (Type) PFEX

Date Extracted: 01/29/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/30/13

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	76	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	UX <u>UJ</u>
~~11096-82-5~~	~~Aroclor 1260~~	~~5900~~	~~EY~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E05AFS (17-19)DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301C37-001ADL

Sample wt/vol: 15.01 (g/mL) ML

Lab File ID: a00453.raw

% Moisture: 12 Decanted: (Y/N) N

Date Received: 01/29/13

Extraction: (Type) PFEX

Date Extracted: 01/29/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/31/13

Injection Volume: 0.5 (uL)

Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~1900~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~3800~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~1900~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~1900~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~1900~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~1900~~	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~7900~~	~~U~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E05AGS (19-21)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215Matrix: (soil/water) SOILLab Sample ID: 1301C37-002ASample wt/vol: 15.03 (g/mL) gLab File ID: a00431.raw% Moisture: 13 Decanted: (Y/N) NDate Received: 01/29/13Extraction: (Type) PFEXDate Extracted: 01/29/13Concentrated Extract Volume: 5000 (uL)Date Analyzed: 01/30/13Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	($\mu\text{g/L}$ or $\mu\text{g/Kg}$) <u>UG/KG</u>	Q
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	77	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	~~UX~~ <u>UJ</u>
11096-82-5	Aroclor 1260	8300	EY

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E05AGS (19-21) DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215Matrix: (soil/water) SOILLab Sample ID: 1301C37-002ADLSample wt/vol: 15.03 (g/mL) MLLab File ID: a00454.raw% Moisture: 13Decanted: (Y/N) NDate Received: 01/29/13

Extraction: (Type)

PFEXDate Extracted: 01/29/13Concentrated Extract Volume: 5000 (uL)Date Analyzed: 01/31/13Injection Volume: 0.5 (uL)Dilution Factor: 50.00GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~1900~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~3800~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~1900~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~1900~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~1900~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~1900~~	~~U~~
~~11096-82-5~~	~~Aroclor 1260~~	~~11000~~	~~U~~

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E05AHS (21-22.5)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215Matrix: (soil/water) SOILLab Sample ID: 1301C37-003ASample wt/vol: 15.06 (g/mL) gLab File ID: a00432.raw% Moisture: 10 Decanted: (Y/N) NDate Received: 01/29/13Extraction: (Type) PFEXDate Extracted: 01/29/13Concentrated Extract Volume: 5000 (uL)Date Analyzed: 01/30/13Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	U
~~11096-82-5~~	~~Aroclor 1260~~	~~1400~~	~~E~~

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E05AHS (21-22.5)DL

CLG
2/19

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM215

Matrix: (soil/water) SOIL

Lab Sample ID: 1301C37-003ADL

Sample wt/vol: 15.06 (g/mL) ML

Lab File ID: a00433.raw

% Moisture: 10 Decanted: (Y/N) N

Date Received: 01/29/13

Extraction: (Type) PFEX

Date Extracted: 01/29/13

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/30/13

Injection Volume: 0.5 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
~~12674-11-2~~	~~Aroclor 1016~~	~~180~~	~~U~~
~~11104-28-2~~	~~Aroclor 1221~~	~~370~~	~~U~~
~~11141-16-5~~	~~Aroclor 1232~~	~~180~~	~~U~~
~~53469-21-9~~	~~Aroclor 1242~~	~~180~~	~~U~~
~~12672-29-6~~	~~Aroclor 1248~~	~~180~~	~~U~~
~~11097-69-1~~	~~Aroclor 1254~~	~~180~~	~~U~~
11096-82-5	Aroclor 1260	1400	~~U~~

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E35 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-001ASample wt/vol: 15 (g/mL) gLab File ID: 12\R8187.DLevel: (low/med) LOWDate Received: 01/25/12% Moisture: 14 Decanted: (Y/N) NDate Extracted: 01/26/12Concentrated Extract Volume: 500 (μL)Date Analyzed: 02/02/12Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	380	U <u>5</u>
108-95-2	Phenol	380	U
111-44-4	Bis(2-chloroethyl) ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-chloropropane)	380	U <u>5</u>
98-86-2	Acetophenone	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	Bis(2-chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	970	U
92-52-4	1,1'-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	380	U
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	380	U
51-28-5	2,4-Dinitrophenol	970	U <u>5</u>
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	380	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E35 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-001ASample wt/vol: 15 (g/mL) gLab File ID: 12\R8187.DLevel: (low/med) LOWDate Received: 01/25/12% Moisture: 14 Decanted: (Y/N) NDate Extracted: 01/26/12Concentrated Extract Volume: 500 (μL)Date Analyzed: 02/02/12Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butyl phthalate	380	U
206-44-0	Fluoranthene	160	J
129-00-0	Pyrene	180	J
85-68-7	Butyl benzyl phthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	100	J
218-01-9	Chrysene	120	J
117-81-7	Bis(2-ethylhexyl)phthalate	140	J
117-84-0	Di-n-octyl phthalate	380	U
205-99-2	Benzo(b)fluoranthene	110	J
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	88	J
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	99	J

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E35 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-002A

Sample wt/vol: 15 (g/mL) g

Lab File ID: 12\R8201.D

Level: (low/med) LOW

Date Received: 01/25/12

% Moisture: 16 Decanted: (Y/N) N

Date Extracted: 01/26/12

Concentrated Extract Volume: 500 (μL)

Date Analyzed: 02/03/12

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/KG</u>	Q
100-52-7	Benzaldehyde	390	U J
108-95-2	Phenol	390	U
111-44-4	Bis(2-chloroethyl) ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U J
108-60-1	2,2'-oxybis(1-chloropropane)	390	U
98-86-2	Acetophenone	95	J
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	Bis(2-chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	240	J
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	180	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	980	U
92-52-4	1,1'-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	220	J
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	980	U J
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	390	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E35 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-002ASample wt/vol: 15 (g/mL) gLab File ID: 12\R8201.DLevel: (low/med) LOWDate Received: 01/25/12% Moisture: 16 Decanted: (Y/N) NDate Extracted: 01/26/12Concentrated Extract Volume: 500 (μL)Date Analyzed: 02/03/12Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	370	J
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	560	
120-12-7	Anthracene	140	J
86-74-8	Carbazole	390	U
84-74-2	Di-n-butyl phthalate	110	J
206-44-0	Fluoranthene	720	
129-00-0	Pyrene	1200	
85-68-7	Butyl benzyl phthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	540	
218-01-9	Chrysene	600	
117-81-7	Bis(2-ethylhexyl)phthalate	170	J
117-84-0	Di-n-octyl phthalate	390	U
205-99-2	Benzo(b)fluoranthene	820	
207-08-9	Benzo(k)fluoranthene	250	J
50-32-8	Benzo(a)pyrene	710	
193-39-5	Indeno(1,2,3-cd)pyrene	550	
53-70-3	Dibenzo(a,h)anthracene	150	J
191-24-2	Benzo(g,h,i)perylene	890	

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E36 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-003ASample wt/vol: 15 (g/mL) gLab File ID: 12\R8188.DLevel: (low/med) LOWDate Received: 01/25/12% Moisture: 4.5 Decanted: (Y/N) NDate Extracted: 01/26/12Concentrated Extract Volume: 500 (μL)Date Analyzed: 02/02/12Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μg/L or μg/Kg) UG/KG Q

100-52-7	Benzaldehyde	120	J
108-95-2	Phenol	350	U
111-44-4	Bis(2-chloroethyl) ether	350	U
95-57-8	2-Chlorophenol	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-chloropropane)	350	UJ
98-86-2	Acetophenone	89	J
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	Bis(2-chloroethoxy) methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
105-60-2	Caprolactam	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	870	U
92-52-4	1,1'-Biphenyl	350	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	870	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
208-96-8	Acenaphthylene	350	U
99-09-2	3-Nitroaniline	870	U
83-32-9	Acenaphthene	350	U
51-28-5	2,4-Dinitrophenol	870	UJ
100-02-7	4-Nitrophenol	870	U
132-64-9	Dibenzofuran	350	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E36 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-003A

Sample wt/vol: 15 (g/mL) g

Lab File ID: 12\R8188.D

Level: (low/med) LOW

Date Received: 01/25/12

% Moisture: 4.5 Decanted: (Y/N) N

Date Extracted: 01/26/12

Concentrated Extract Volume: 500 (μL)

Date Analyzed: 02/02/12

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) PFEF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-methylphenol	870	U
86-30-6	N-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
1912-24-9	Atrazine	350	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butyl phthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butyl benzyl phthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	Bis(2-ethylhexyl)phthalate	87	J
117-84-0	Di-n-octyl phthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E36 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-004A

Sample wt/vol: 15 (g/mL) g

Lab File ID: 12\R8191.D

Level: (low/med) LOW

Date Received: 01/25/12

% Moisture: 8.2 Decanted: (Y/N) N

Date Extracted: 01/26/12

Concentrated Extract Volume: 500 (μL)

Date Analyzed: 02/02/12

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.0

Extraction: (Type) PFEF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	360	UJ
108-95-2	Phenol	360	U
111-44-4	Bis(2-chloroethyl) ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-chloropropane)	360	UJ
98-86-2	Acetophenone	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	Bis(2-chloroethoxy) methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	900	U
92-52-4	1,1'-Biphenyl	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	900	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
208-96-8	Acenaphthylene	360	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	360	U
51-28-5	2,4-Dinitrophenol	900	UJ
100-02-7	4-Nitrophenol	900	U
132-64-9	Dibenzofuran	360	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E36 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-004A

Sample wt/vol: 15 (g/mL) g

Lab File ID: 12\R8191.D

Level: (low/med) LOW

Date Received: 01/25/12

% Moisture: 8.2 Decanted: (Y/N) N

Date Extracted: 01/26/12

Concentrated Extract Volume: 500 (μL)

Date Analyzed: 02/02/12

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.0

Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
86-73-7	Fluorene	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
100-01-6	4-Nitroaniline	900	U
534-52-1	4,6-Dinitro-2-methylphenol	900	U
86-30-6	N-Nitrosodiphenylamine	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	360	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butyl phthalate	80	J
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butyl benzyl phthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	Bis(2-ethylhexyl)phthalate	110	J
117-84-0	Di-n-octyl phthalate	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E37 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-005ASample wt/vol: 15 (g/mL) gLab File ID: 12\R8192.DLevel: (low/med) LOWDate Received: 01/25/12% Moisture: 7.2Decanted: (Y/N) NDate Extracted: 01/26/12Concentrated Extract Volume: 500 (μL)Date Analyzed: 02/02/12Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) YpH: 6.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μg/L or μg/Kg) UG/KG Q

100-52-7	Benzaldehyde	360	U
108-95-2	Phenol	360	U
111-44-4	Bis(2-chloroethyl) ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-chloropropane)	360	U
98-86-2	Acetophenone	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	Bis(2-chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	890	U
92-52-4	1,1'-Biphenyl	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	890	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
208-96-8	Acenaphthylene	360	U
99-09-2	3-Nitroaniline	890	U
83-32-9	Acenaphthene	360	U
51-28-5	2,4-Dinitrophenol	890	U
100-02-7	4-Nitrophenol	890	U
132-64-9	Dibenzofuran	360	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E37 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-005A

Sample wt/vol: 15 (g/mL) g

Lab File ID: 12\R8192.D

Level: (low/med) LOW

Date Received: 01/25/12

% Moisture: 7.2 Decanted: (Y/N) N

Date Extracted: 01/26/12

Concentrated Extract Volume: 500 (μL)

Date Analyzed: 02/02/12

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.0

Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
86-73-7	Fluorene	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
100-01-6	4-Nitroaniline	890	U
534-52-1	4,6-Dinitro-2-methylphenol	890	U
86-30-6	N-Nitrosodiphenylamine	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	360	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butyl phthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butyl benzyl phthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	Bis(2-ethylhexyl)phthalate	360	U
117-84-0	Di-n-octyl phthalate	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E37 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-006A

Sample wt/vol: 15 (g/mL) g

Lab File ID: 12\R8200.D

Level: (low/med) LOW

Date Received: 01/25/12

% Moisture: 10 Decanted: (Y/N) N

Date Extracted: 01/26/12

Concentrated Extract Volume: 500 (μL)

Date Analyzed: 02/03/12

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U J
108-95-2	Phenol	370	U
111-44-4	Bis(2-chloroethyl) ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-chloropropane)	370	U J
98-86-2	Acetophenone	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	Bis(2-chloroethoxy) methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	100	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	280	J
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	370	U
51-28-5	2,4-Dinitrophenol	920	U J
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	370	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E37 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-006A

Sample wt/vol: 15 (g/mL) g

Lab File ID: 12\R8200.D

Level: (low/med) LOW

Date Received: 01/25/12

% Moisture: 10 Decanted: (Y/N) N

Date Extracted: 01/26/12

Concentrated Extract Volume: 500 (μL)

Date Analyzed: 02/03/12

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	680	
120-12-7	Anthracene	240	J
86-74-8	Carbazole	370	U
84-74-2	Di-n-butyl phthalate	370	U
206-44-0	Fluoranthene	1400	
129-00-0	Pyrene	2000	
85-68-7	Butyl benzyl phthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	1200	
218-01-9	Chrysene	1300	
117-81-7	Bis(2-ethylhexyl)phthalate	370	U
117-84-0	Di-n-octyl phthalate	370	U
205-99-2	Benzo(b)fluoranthene	1600	
207-08-9	Benzo(k)fluoranthene	510	
50-32-8	Benzo(a)pyrene	1400	
193-39-5	Indeno(1,2,3-cd)pyrene	740	
53-70-3	Dibenzo(a,h)anthracene	250	J
191-24-2	Benzo(g,h,i)perylene	770	

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E38 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-007A

Sample wt/vol: 15 (g/mL) g

Lab File ID: 12\R8203.D

Level: (low/med) LOW

Date Received: 01/25/12

% Moisture: 12 Decanted: (Y/N) N

Date Extracted: 01/26/12

Concentrated Extract Volume: 500 (μL)

Date Analyzed: 02/03/12

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) PFEK

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/KG</u>	Q
100-52-7	Benzaldehyde	370	U J
108-95-2	Phenol	370	U
111-44-4	Bis(2-chloroethyl) ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-chloropropane)	370	U J
98-86-2	Acetophenone	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	Bis(2-chloroethoxy) methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	330	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	220	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	940	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	200	J
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	370	U
51-28-5	2,4-Dinitrophenol	940	U J
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	370	U J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E38 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-007ASample wt/vol: 15 (g/mL) gLab File ID: 12\R8203.DLevel: (low/med) LOWDate Received: 01/25/12% Moisture: 12 Decanted: (Y/N) NDate Extracted: 01/26/12Concentrated Extract Volume: 500 (μL)Date Analyzed: 02/03/12Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	110	J
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	1400	
120-12-7	Anthracene	280	J
86-74-8	Carbazole	370	U
84-74-2	Di-n-butyl phthalate	94	J
206-44-0	Fluoranthene	1700	
129-00-0	Pyrene	3200	
85-68-7	Butyl benzyl phthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	1200	
218-01-9	Chrysene	1500	
117-81-7	Bis(2-ethylhexyl)phthalate	170	J
117-84-0	Di-n-octyl phthalate	370	UJ
205-99-2	Benzo(b)fluoranthene	2000	J
207-08-9	Benzo(k)fluoranthene	740	J
50-32-8	Benzo(a)pyrene	1500	J
193-39-5	Indeno(1,2,3-cd)pyrene	1000	J
53-70-3	Dibenzo(a,h)anthracene	260	J
191-24-2	Benzo(g,h,i)perylene	1500	J

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E38 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-008A

Sample wt/vol: 15 (g/mL) g

Lab File ID: 12\R8202.D

Level: (low/med) LOW

Date Received: 01/25/12

% Moisture: 14 Decanted: (Y/N) N

Date Extracted: 01/26/12

Concentrated Extract Volume: 500 (μL)

Date Analyzed: 02/03/12

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μg/L or μg/Kg) UG/KG Q

100-52-7	Benzaldehyde	390	U J
108-95-2	Phenol	390	U
111-44-4	Bis(2-chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-chloropropane)	390	U J
98-86-2	Acetophenone	130	J
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	Bis(2-chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	330	J
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	190	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	970	U
92-52-4	1,1'-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	260	J
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	370	J
51-28-5	2,4-Dinitrophenol	970	U J
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	480	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E38 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-008ASample wt/vol: 15 (g/mL) gLab File ID: 12\R8202.DLevel: (low/med) LOWDate Received: 01/25/12% Moisture: 14 Decanted: (Y/N) NDate Extracted: 01/26/12Concentrated Extract Volume: 500 (μL)Date Analyzed: 02/03/12Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	640	
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	5700	
120-12-7	Anthracene	1700	
86-74-8	Carbazole	860	
84-74-2	Di-n-butyl phthalate	390	U
206-44-0	Fluoranthene	5700	
129-00-0	Pyrene	5300	
85-68-7	Butyl benzyl phthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	2900	
218-01-9	Chrysene	2500	
117-81-7	Bis(2-ethylhexyl)phthalate	230	J
117-84-0	Di-n-octyl phthalate	390	U
205-99-2	Benzo(b)fluoranthene	2800	
207-08-9	Benzo(k)fluoranthene	1100	
50-32-8	Benzo(a)pyrene	2300	
193-39-5	Indeno(1,2,3-cd)pyrene	1000	
53-70-3	Dibenzo(a,h)anthracene	310	J
191-24-2	Benzo(g,h,i)perylene	970	

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E39 AD

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-009ASample wt/vol: 15 (g/mL) gLab File ID: 12\R8193.DLevel: (low/med) LOWDate Received: 01/25/12% Moisture: 14 Decanted: (Y/N) NDate Extracted: 01/26/12Concentrated Extract Volume: 500 (μ L)Date Analyzed: 02/02/12Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEK

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μ g/L or μ g/Kg) UG/KG Q

100-52-7	Benzaldehyde	380	U J
108-95-2	Phenol	380	U
111-44-4	Bis(2-chloroethyl) ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-chloropropane)	380	U J
98-86-2	Acetophenone	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	Bis(2-chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	960	U
92-52-4	1,1'-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	380	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	380	U
51-28-5	2,4-Dinitrophenol	960	U J
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	380	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E39 AD

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-009ASample wt/vol: 15 (g/mL) gLab File ID: 12\R8193.DLevel: (low/med) LOWDate Received: 01/25/12% Moisture: 14 Decanted: (Y/N) NDate Extracted: 01/26/12Concentrated Extract Volume: 500 (μ L)Date Analyzed: 02/02/12Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEK

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg) <u>UG/KG</u>	<u>Q</u>
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butyl phthalate	110	J
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butyl benzyl phthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	Bis(2-ethylhexyl)phthalate	130	J
117-84-0	Di-n-octyl phthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E39 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-010ASample wt/vol: 15 (g/mL) gLab File ID: 12\R8194.DLevel: (low/med) LOWDate Received: 01/25/12% Moisture: 14 Decanted: (Y/N) NDate Extracted: 01/26/12Concentrated Extract Volume: 500 (μL)Date Analyzed: 02/02/12Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	390	UJ
108-95-2	Phenol	390	U
111-44-4	Bis(2-chloroethyl) ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-chloropropane)	390	UJ
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	Bis(2-chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	970	U
92-52-4	1,1'-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	970	UJ
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	390	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E39 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-010A

Sample wt/vol: 15 (g/mL) g

Lab File ID: 12\R8194.D

Level: (low/med) LOW

Date Received: 01/25/12

% Moisture: 14 Decanted: (Y/N) N

Date Extracted: 01/26/12

Concentrated Extract Volume: 500 (μL)

Date Analyzed: 02/02/12

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butyl phthalate	87	J
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butyl benzyl phthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	Bis(2-ethylhexyl)phthalate	130	J
117-84-0	Di-n-octyl phthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E39 BD

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-011ASample wt/vol: 15 (g/mL) gLab File ID: 12\R8196.DLevel: (low/med) LOWDate Received: 01/25/12% Moisture: 9.7 Decanted: (Y/N) NDate Extracted: 01/26/12Concentrated Extract Volume: 500 (μ L)Date Analyzed: 02/02/12Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg) <u>UG/KG</u>	Q
100-52-7	Benzaldehyde	370	U <u>5</u>
108-95-2	Phenol	370	U
111-44-4	Bis(2-chloroethyl) ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-chloropropane)	370	U <u>5</u>
98-86-2	Acetophenone	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	Bis(2-chloroethoxy) methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	210	J
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	370	U
51-28-5	2,4-Dinitrophenol	920	U <u>5</u>
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	370	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E39 BD

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-011A

Sample wt/vol: 15 (g/mL) g

Lab File ID: 12\R8196.D

Level: (low/med) LOW

Date Received: 01/25/12

% Moisture: 9.7 Decanted: (Y/N) N

Date Extracted: 01/26/12

Concentrated Extract Volume: 500 (μL)

Date Analyzed: 02/02/12

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butyl phthalate	88	J
206-44-0	Fluoranthene	350	J
129-00-0	Pyrene	700	
85-68-7	Butyl benzyl phthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	430	
218-01-9	Chrysene	500	
117-81-7	Bis(2-ethylhexyl)phthalate	180	J
117-84-0	Di-n-octyl phthalate	370	U
205-99-2	Benzo(b)fluoranthene	470	
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	400	
193-39-5	Indeno(1,2,3-cd)pyrene	280	J
53-70-3	Dibenzo(a,h)anthracene	99	J
191-24-2	Benzo(g,h,i)perylene	310	J

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E39 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-012ASample wt/vol: 15 (g/mL) gLab File ID: 12\R8197.DLevel: (low/med) LOWDate Received: 01/25/12% Moisture: 14 Decanted: (Y/N) NDate Extracted: 01/26/12Concentrated Extract Volume: 500 (μ L)Date Analyzed: 02/02/12Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μ g/L or μ g/Kg) UG/KG Q

100-52-7	Benzaldehyde	380	U ³
108-95-2	Phenol	380	U
111-44-4	Bis(2-chloroethyl) ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-chloropropane)	380	U ³
98-86-2	Acetophenone	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	Bis(2-chloroethoxy) methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	960	U
92-52-4	1,1'-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	99	J
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	380	U
51-28-5	2,4-Dinitrophenol	960	U ³
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	380	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E39 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-012A

Sample wt/vol: 15 (g/mL) g

Lab File ID: 12\R8197.D

Level: (low/med) LOW

Date Received: 01/25/12

% Moisture: 14 Decanted: (Y/N) N

Date Extracted: 01/26/12

Concentrated Extract Volume: 500 (μL)

Date Analyzed: 02/02/12

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	93	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butyl phthalate	380	U
206-44-0	Fluoranthene	280	J
129-00-0	Pyrene	450	
85-68-7	Butyl benzyl phthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	260	J
218-01-9	Chrysene	300	J
117-81-7	Bis(2-ethylhexyl)phthalate	380	U
117-84-0	Di-n-octyl phthalate	380	U
205-99-2	Benzo(b)fluoranthene	340	J
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	270	J
193-39-5	Indeno(1,2,3-cd)pyrene	180	J
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	210	J

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E40 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-013A

Sample wt/vol: 15 (g/mL) g

Lab File ID: 12\R8232.D

Level: (low/med) LOW

Date Received: 01/25/12

% Moisture: 12 Decanted: (Y/N) N

Date Extracted: 01/26/12

Concentrated Extract Volume: 500 (μL)

Date Analyzed: 02/03/12

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) PFEF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/KG</u>	Q
100-52-7	Benzaldehyde	370	U J
108-95-2	Phenol	370	U
111-44-4	Bis(2-chloroethyl) ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-chloropropane)	370	U J
98-86-2	Acetophenone	99	J
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	Bis(2-chloroethoxy) methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	180	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	170	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	940	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	180	J
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	370	U
51-28-5	2,4-Dinitrophenol	940	U J
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	370	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E40 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-013A

Sample wt/vol: 15 (g/mL) g

Lab File ID: 12\R8232.D

Level: (low/med) LOW

Date Received: 01/25/12

% Moisture: 12 Decanted: (Y/N) N

Date Extracted: 01/26/12

Concentrated Extract Volume: 500 (μL)

Date Analyzed: 02/03/12

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	760	
120-12-7	Anthracene	190	J
86-74-8	Carbazole	370	U
84-74-2	Di-n-butyl phthalate	370	U
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	2100	
85-68-7	Butyl benzyl phthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	1000	
218-01-9	Chrysene	1200	
117-81-7	Bis(2-ethylhexyl)phthalate	110	J
117-84-0	Di-n-octyl phthalate	370	U
205-99-2	Benzo(b)fluoranthene	1500	
207-08-9	Benzo(k)fluoranthene	550	
50-32-8	Benzo(a)pyrene	1100	
193-39-5	Indeno(1,2,3-cd)pyrene	730	
53-70-3	Dibenzo(a,h)anthracene	190	J
191-24-2	Benzo(g,h,i)perylene	970	

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E40 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-014A

Sample wt/vol: 15 (g/mL) g

Lab File ID: 12\R8198.D

Level: (low/med) LOW

Date Received: 01/25/12

% Moisture: 11 Decanted: (Y/N) N

Date Extracted: 01/26/12

Concentrated Extract Volume: 500 (μL)

Date Analyzed: 02/02/12

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) PFEF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U J
108-95-2	Phenol	370	U
111-44-4	Bis(2-chloroethyl) ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-chloropropane)	370	U J
98-86-2	Acetophenone	83	J
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	Bis(2-chloroethoxy) methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	280	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	190	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	930	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	930	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	250	J
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	370	U
51-28-5	2,4-Dinitrophenol	930	U J
100-02-7	4-Nitrophenol	930	U
132-64-9	Dibenzofuran	370	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E40 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-014ASample wt/vol: 15 (g/mL) gLab File ID: 12\R8198.DLevel: (low/med) LOWDate Received: 01/25/12% Moisture: 11 Decanted: (Y/N) NDate Extracted: 01/26/12Concentrated Extract Volume: 500 (μL)Date Analyzed: 02/02/12Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	190	J
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	N-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	280	J
86-74-8	Carbazole	370	U
84-74-2	Di-n-butyl phthalate	76	J
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	2000	
85-68-7	Butyl benzyl phthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	1000	
218-01-9	Chrysene	1100	
117-81-7	Bis(2-ethylhexyl)phthalate	130	J
117-84-0	Di-n-octyl phthalate	370	U
205-99-2	Benzo(b)fluoranthene	1000	
207-08-9	Benzo(k)fluoranthene	230	J
50-32-8	Benzo(a)pyrene	1000	
193-39-5	Indeno(1,2,3-cd)pyrene	520	
53-70-3	Dibenzo(a,h)anthracene	170	J
191-24-2	Benzo(g,h,i)perylene	610	

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E41 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-015ASample wt/vol: 15 (g/mL) gLab File ID: 12\R8233.DLevel: (low/med) LOWDate Received: 01/25/12% Moisture: 9.6 Decanted: (Y/N) NDate Extracted: 01/26/12Concentrated Extract Volume: 500 (μL)Date Analyzed: 02/03/12Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEK

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	360	U J
108-95-2	Phenol	360	U
111-44-4	Bis(2-chloroethyl) ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-chloropropane)	360	U J
98-86-2	Acetophenone	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	Bis(2-chloroethoxy) methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	180	J
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	920	U
92-52-4	1,1'-Biphenyl	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
208-96-8	Acenaphthylene	360	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	150	J
51-28-5	2,4-Dinitrophenol	920	U J
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	120	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E41 AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-015ASample wt/vol: 15 (g/mL) gLab File ID: 12\R8233.DLevel: (low/med) LOWDate Received: 01/25/12% Moisture: 9.6 Decanted: (Y/N) NDate Extracted: 01/26/12Concentrated Extract Volume: 500 (μL)Date Analyzed: 02/03/12Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEH

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μg/L or μg/Kg) UG/KG Q

121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
86-73-7	Fluorene	150	J
7005-72-3	4-Chlorophenyl-phenylether	360	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	360	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	1600	
120-12-7	Anthracene	250	J
86-74-8	Carbazole	230	J
84-74-2	Di-n-butyl phthalate	360	U
206-44-0	Fluoranthene	1900	
129-00-0	Pyrene	1800	
85-68-7	Butyl benzyl phthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	940	
218-01-9	Chrysene	960	
117-81-7	Bis(2-ethylhexyl)phthalate	120	J
117-84-0	Di-n-octyl phthalate	360	U
205-99-2	Benzo(b)fluoranthene	1300	
207-08-9	Benzo(k)fluoranthene	230	J
50-32-8	Benzo(a)pyrene	830	
193-39-5	Indeno(1,2,3-cd)pyrene	330	J
53-70-3	Dibenzo(a,h)anthracene	100	J
191-24-2	Benzo(g,h,i)perylene	340	J

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E41 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-016ASample wt/vol: 15 (g/mL) gLab File ID: 12\R8206.DLevel: (low/med) LOWDate Received: 01/25/12% Moisture: 11 Decanted: (Y/N) NDate Extracted: 01/26/12Concentrated Extract Volume: 500 (μL)Date Analyzed: 02/03/12Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFE

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg)	UG/KG	Q
100-52-7	Benzaldehyde	130		J
108-95-2	Phenol	370		U
111-44-4	Bis(2-chloroethyl) ether	370		U
95-57-8	2-Chlorophenol	370		U
95-48-7	2-Methylphenol	370		U
108-60-1	2,2'-oxybis(1-chloropropane)	370		U J
98-86-2	Acetophenone	190		J
106-44-5	4-Methylphenol	370		U
621-64-7	N-Nitroso-di-n-propylamine	370		U
67-72-1	Hexachloroethane	370		U
98-95-3	Nitrobenzene	370		U
78-59-1	Isophorone	370		U
88-75-5	2-Nitrophenol	370		U
105-67-9	2,4-Dimethylphenol	370		U
111-91-1	Bis(2-chloroethoxy) methane	370		U
120-83-2	2,4-Dichlorophenol	370		U
91-20-3	Naphthalene	450		
106-47-8	4-Chloroaniline	370		U
87-68-3	Hexachlorobutadiene	370		U
105-60-2	Caprolactam	370		U
59-50-7	4-Chloro-3-methylphenol	370		U
91-57-6	2-Methylnaphthalene	220		J
77-47-4	Hexachlorocyclopentadiene	370		U
88-06-2	2,4,6-Trichlorophenol	370		U
95-95-4	2,4,5-Trichlorophenol	930		U
92-52-4	1,1'-Biphenyl	370		U
91-58-7	2-Chloronaphthalene	370		U
88-74-4	2-Nitroaniline	930		U
131-11-3	Dimethylphthalate	370		U
606-20-2	2,6-Dinitrotoluene	370		U
208-96-8	Acenaphthylene	1500		
99-09-2	3-Nitroaniline	930		U
83-32-9	Acenaphthene	200		J
51-28-5	2,4-Dinitrophenol	930		U J
100-02-7	4-Nitrophenol	930		U
132-64-9	Dibenzofuran	310		J

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E41 BS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159

Matrix: (soil/water) SOIL

Lab Sample ID: 1201835-016A

Sample wt/vol: 15 (g/mL) g

Lab File ID: 12\R8206.D

Level: (low/med) LOW

Date Received: 01/25/12

% Moisture: 11 Decanted: (Y/N) N

Date Extracted: 01/26/12

Concentrated Extract Volume: 500 (μL)

Date Analyzed: 02/03/12

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	640	
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	N-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	7100	E
120-12-7	Anthracene	2600	
86-74-8	Carbazole	310	J
84-74-2	Di-n-butyl phthalate	76	J
206-44-0	Fluoranthene	13000	E
129-00-0	Pyrene	17000	E
85-68-7	Butyl benzyl phthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	8500	E
218-01-9	Chrysene	7600	E
117-81-7	Bis(2-ethylhexyl)phthalate	200	J
117-84-0	Di-n-octyl phthalate	370	U
205-99-2	Benzo(b)fluoranthene	11000	E
207-08-9	Benzo(k)fluoranthene	3600	J
50-32-8	Benzo(a)pyrene	7700	E
193-39-5	Indeno(1,2,3-cd)pyrene	3400	J
53-70-3	Dibenzo(a,h)anthracene	1200	
191-24-2	Benzo(g,h,i)perylene	3500	J

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E41 BSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-016ADLSample wt/vol: 15 (g/mL) MLLab File ID: 12\R8231.DLevel: (low/med) LOWDate Received: 01/25/12% Moisture: 11 Decanted: (Y/N) NDate Extracted: 01/26/12Concentrated Extract Volume: 500 (μL)Date Analyzed: 02/03/12Injection Volume: 2 (μL)Dilution Factor: 5.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEEX

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μg/L or μg/Kg) UG/KG Q

100-52-7	Benzaldehyde	1900	U
108-95-2	Phenol	1900	U
111-44-4	Bis(2-chloroethyl) ether	1900	U
95-57-8	2-Chlorophenol	1900	U
95-48-7	2-Methylphenol	1900	U
108-60-1	2,2'-oxybis(1-chloropropane)	1900	U
98-86-2	Acetophenone	1900	U
106-44-5	4-Methylphenol	1900	U
621-64-7	N-Nitroso-di-n-propylamine	1900	U
67-72-1	Hexachloroethane	1900	U
98-95-3	Nitrobenzene	1900	U
78-59-1	Isophorone	1900	U
88-75-5	2-Nitrophenol	1900	U
105-67-9	2,4-Dimethylphenol	1900	U
111-91-1	Bis(2-chloroethoxy)methane	1900	U
120-83-2	2,4-Dichlorophenol	1900	U
91-20-3	Naphthalene	520	DJ
106-47-8	4-Chloroaniline	1900	U
87-68-3	Hexachlorobutadiene	1900	U
105-60-2	Caprolactam	1900	U
59-50-7	4-Chloro-3-methylphenol	1900	U
91-57-6	2-Methylnaphthalene	1900	U
77-47-4	Hexachlorocyclopentadiene	1900	U
88-06-2	2,4,6-Trichlorophenol	1900	U
95-95-4	2,4,5-Trichlorophenol	4700	U
92-52-4	1,1'-Biphenyl	1900	U
91-58-7	2-Chloronaphthalene	1900	U
88-74-4	2-Nitroaniline	4700	U
131-11-3	Dimethylphthalate	1900	U
606-20-2	2,6-Dinitrotoluene	1900	U
208-96-8	Acenaphthylene	1600	DJ
99-09-2	3-Nitroaniline	4700	U
83-32-9	Acenaphthene	1900	U
51-28-5	2,4-Dinitrophenol	4700	U
100-02-7	4-Nitrophenol	4700	U
132-64-9	Dibenzofuran	1900	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E41 BSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM159Matrix: (soil/water) SOILLab Sample ID: 1201835-016ADLSample wt/vol: 15 (g/mL) MLLab File ID: 12\R8231.DLevel: (low/med) LOWDate Received: 01/25/12% Moisture: 11 Decanted: (Y/N) NDate Extracted: 01/26/12Concentrated Extract Volume: 500 (μL)Date Analyzed: 02/03/12Injection Volume: 2 (μL)Dilution Factor: 5.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFE

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
~~121-14-2~~	~~2,4-Dinitrotoluene~~	~~1900~~	~~U~~
~~84-66-2~~	~~Diethylphthalate~~	~~1900~~	~~U~~
~~86-73-7~~	~~Fluorene~~	~~710~~	~~DJ~~
~~7005-72-3~~	~~4-Chlorophenyl-phenylether~~	~~1900~~	~~U~~
~~100-01-6~~	~~4-Nitroaniline~~	~~4700~~	~~U~~
~~534-52-1~~	~~4,6-Dinitro-2-methylphenol~~	~~4700~~	~~U~~
~~86-30-6~~	~~N-Nitrosodiphenylamine~~	~~1900~~	~~U~~
~~101-55-3~~	~~4-Bromophenyl-phenylether~~	~~1900~~	~~U~~
~~118-74-1~~	~~Hexachlorobenzene~~	~~1900~~	~~U~~
~~1912-24-9~~	~~Atrazine~~	~~1900~~	~~U~~
~~87-86-5~~	~~Pentachlorophenol~~	~~4700~~	~~U~~
~~85-01-8~~	~~Phenanthrene~~	~~8700~~	~~Ø~~
~~120-12-7~~	~~Anthracene~~	~~3100~~	~~D~~
~~86-74-8~~	~~Carbazole~~	~~1900~~	~~U~~
~~84-74-2~~	~~Di-n-butyl phthalate~~	~~1900~~	~~U~~
~~206-44-0~~	~~Fluoranthene~~	~~17000~~	~~Ø~~
~~129-00-0~~	~~Pyrene~~	~~18000~~	~~Ø~~
~~85-68-7~~	~~Butyl benzyl phthalate~~	~~1900~~	~~U~~
~~91-94-1~~	~~3,3'-Dichlorobenzidine~~	~~1900~~	~~U~~
~~56-55-3~~	~~Benzo(a)anthracene~~	~~9400~~	~~Ø~~
~~218-01-9~~	~~Chrysene~~	~~9500~~	~~Ø~~
~~117-81-7~~	~~Bis(2-ethylhexyl)phthalate~~	~~1900~~	~~U~~
~~117-84-0~~	~~Di-n-octyl phthalate~~	~~1900~~	~~U~~
~~205-99-2~~	~~Benzo(b)fluoranthene~~	~~9100~~	~~Ø J~~
~~207-08-9~~	~~Benzo(k)fluoranthene~~	~~4200~~	~~D~~
~~50-32-8~~	~~Benzo(a)pyrene~~	~~8600~~	~~Ø J~~
~~193-39-5~~	~~Indeno(1,2,3-cd)pyrene~~	~~4900~~	~~D~~
~~53-70-3~~	~~Dibenzo(a,h)anthracene~~	~~1400~~	~~DJ~~
~~191-24-2~~	~~Benzo(g,h,i)perylene~~	~~5100~~	~~D~~

(1) Cannot be separated from Diphenylamine

VOLATILE ORGANICS ANALYSIS DATA SHEET

E44ES

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M SAS No.: _____SDG No.: AECOM166

Matrix: (soil/water)

SOILLab Sample ID: 1203825-009BSample wt/vol: 5(g/mL) gLab File ID: 12\G14349.

Level: (low/med)

LOWDate Received: 03/22/12

% Moisture: not dec.

36Date Analyzed: 03/23/12GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 5.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____

(μL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μg/L or μg/Kg) UG/KG

Q

75-71-8	Dichlorodifluoromethane	78	U <u>J</u>
74-87-3	Chloromethane	78	U
75-01-4	Vinyl chloride	78	U
74-83-9	Bromomethane	78	U
75-00-3	Chloroethane	78	U
75-69-4	Trichlorofluoromethane	78	U
75-35-4	1,1-Dichloroethene	78	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	78	U
67-64-1	Acetone	26	~~DZ~~ <u>J</u>
75-15-0	Carbon disulfide	78	U
79-20-9	Methyl Acetate	78	U
75-09-2	Methylene chloride	78	U
156-60-5	trans-1,2-Dichloroethene	78	U
1634-04-4	Methyl tert-butyl ether	78	U
75-34-3	1,1-Dichloroethane	78	U
156-59-2	cis-1,2-Dichloroethene	78	U
78-93-3	2-Butanone	78	U
67-66-3	Chloroform	78	U
71-55-6	1,1,1-Trichloroethane	78	U
110-82-7	Cyclohexane	78	U
56-23-5	Carbon tetrachloride	78	U
71-43-2	Benzene	22	~~DZ~~ <u>J</u>
107-06-2	1,2-Dichloroethane	78	U
79-01-6	Trichloroethene	78	U
108-87-2	Methylcyclohexane	78	U
78-87-5	1,2-Dichloropropane	78	U
75-27-4	Bromodichloromethane	78	U
10061-01-5	cis-1,3-Dichloropropene	78	U
108-10-1	4-Methyl-2-pentanone	78	U
108-88-3	Toluene	99	~~DZ~~ <u>J</u>
10061-02-6	trans-1,3-Dichloropropene	78	U
79-00-5	1,1,2-Trichloroethane	78	U
127-18-4	Tetrachloroethene	78	U <u>J</u>
591-78-6	2-Hexanone	78	U
124-48-1	Dibromochloromethane	78	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

E44ES

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M SAS No.: _____SDG No.: AECOM166

Matrix: (soil/water)

SOILLab Sample ID: 1203825-009BSample wt/vol: 5(g/mL) GLab File ID: 12\G14349.

Level: (low/med)

LOWDate Received: 03/22/12

% Moisture: not dec.

36Date Analyzed: 03/23/12GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 5.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/KG</u>	<u>Q</u>
106-93-4	1,2-Dibromoethane	78	U
108-90-7	Chlorobenzene	78	U
100-41-4	Ethylbenzene	16	~~DJZ~~ I
1330-20-7	Xylene (total)	230	D
100-42-5	Styrene	300	~~DZ~~
75-25-2	Bromoform	78	U
98-82-8	Isopropylbenzene	78	U
79-34-5	1,1,2,2-Tetrachloroethane	78	U
541-73-1	1,3-Dichlorobenzene	78	U
106-46-7	1,4-Dichlorobenzene	78	U
95-50-1	1,2-Dichlorobenzene	78	U
96-12-8	1,2-Dibromo-3-chloropropane	78	U
120-82-1	1,2,4-Trichlorobenzene	78	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E44ES

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water)

SOIL

Lab Sample ID: 1203825-009B

Sample wt/vol: 5

(g/mL) G

Lab File ID: 12\G14349.

Level: (low/med) LOW

Date Received: 03/22/12

% Moisture: not dec. 36

Date Analyzed: 03/23/12

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 5.00

Soil Extract Volume: _____ (µl)

Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 7

(µg/L or µg/Kg)

UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown (11.44)	11.44	370	JØ
2.	c3 substituted benzene (11.77)	11.77	500	JØ
3.	c3 substituted benzene (12.01)	12.01	6900	JØ
4.	c4 substituted benzene (12.7)	12.70	430	JØ
5.	c4 substituted benzene (13.13)	13.13	550	JØ
6.	c5 substituted benzene	13.52	380	JØ
7.	unknown (13.92)	13.92	820	JØ

VOLATILE ORGANICS ANALYSIS DATA SHEET

E44FS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M SAS No.: _____SDG No.: AECOM166

Matrix: (soil/water)

SOILLab Sample ID: 1203825-0108Sample wt/vol: 5(g/mL) GLab File ID: 12\G14350.

Level: (low/med)

LOWDate Received: 03/22/12

% Moisture: not dec.

38Date Analyzed: 03/24/12GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 5.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	Q
75-71-8	Dichlorodifluoromethane	80	U ☒
74-87-3	Chloromethane	80	U
75-01-4	Vinyl chloride	80	U
74-83-9	Bromomethane	80	U
75-00-3	Chloroethane	80	U
75-69-4	Trichlorofluoromethane	80	U
75-35-4	1,1-Dichloroethene	80	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	80	U
67-64-1	Acetone	80	U
75-15-0	Carbon disulfide	80	U
79-20-9	Methyl Acetate	80	U
75-09-2	Methylene chloride	80	U
156-60-5	trans-1,2-Dichloroethene	80	U
1634-04-4	Methyl tert-butyl ether	80	U
75-34-3	1,1-Dichloroethane	80	U
156-59-2	cis-1,2-Dichloroethene	80	U
78-93-3	2-Butanone	80	U
67-66-3	Chloroform	80	U
71-55-6	1,1,1-Trichloroethane	80	U
110-82-7	Cyclohexane	80	U
56-23-5	Carbon tetrachloride	80	U
71-43-2	Benzene	78	~~U~~ ☒
107-06-2	1,2-Dichloroethane	80	U
79-01-6	Trichloroethene	80	U
108-87-2	Methylcyclohexane	80	U
78-87-5	1,2-Dichloropropane	80	U
75-27-4	Bromodichloromethane	80	U
10061-01-5	cis-1,3-Dichloropropene	80	U
108-10-1	4-Methyl-2-pentanone	80	U
108-88-3	Toluene	170	~~U~~ ☒
10061-02-6	trans-1,3-Dichloropropene	80	U
79-00-5	1,1,2-Trichloroethane	80	U
127-18-4	Tetrachloroethene	80	U ☒
591-78-6	2-Hexanone	80	U
124-48-1	Dibromochloromethane	80	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

E44FS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M SAS No.: _____SDG No.: AECOM166

Matrix: (soil/water)

SOILLab Sample ID: 1203825-010BSample wt/vol: 5(g/mL) GLab File ID: 12\G14350.

Level: (low/med)

LOWDate Received: 03/22/12

% Moisture: not dec.

38Date Analyzed: 03/24/12GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 5.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/KG</u>	Q
106-93-4	1,2-Dibromoethane	80	U
108-90-7	Chlorobenzene	80	U
100-41-4	Ethylbenzene	21	DJZ
1330-20-7	Xylene (total)	290	D
100-42-5	Styrene	370	DZ
75-25-2	Bromoform	80	U
98-82-8	Isopropylbenzene	80	U
79-34-5	1,1,2,2-Tetrachloroethane	80	U
541-73-1	1,3-Dichlorobenzene	80	U
106-46-7	1,4-Dichlorobenzene	80	U
95-50-1	1,2-Dichlorobenzene	80	U
96-12-8	1,2-Dibromo-3-chloropropane	80	U
120-82-1	1,2,4-Trichlorobenzene	80	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E44FS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water)

SOILLab Sample ID: 1203825-0108Sample wt/vol: 5(g/mL) GLab File ID: 12\G14350.Level: (low/med) LOWDate Received: 03/22/12% Moisture: not dec. 38Date Analyzed: 03/24/12GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 5.00

Soil Extract Volume:

(μl)

Soil Aliquot Volume: 0 (μL)

CONCENTRATION UNITS:

Number TICs found:

8

(μg/L or μg/Kg)

UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown (11.44)	11.44	370	JD
2.	c3 substituted benzene (11.77)	11.77	430	JD
3.	c4 substituted benzene (11.87)	11.87	180	JD
4.	c3 substituted benzene (12.02)	12.02	7900	JD
5.	c4 substituted benzene (12.64)	12.64	170	JD
6.	c4 substituted benzene (12.7)	12.70	210	JD
7.	c4 substituted benzene (13.13)	13.13	170	JD
8.	unknown (13.92)	13.92	680	JD

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E44ES

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166Matrix: (soil/water) SOILLab Sample ID: 1203825-009CSample wt/vol: 15 (g/mL) gLab File ID: 2\N50389.DLevel: (low/med) LOWDate Received: 03/22/12% Moisture: 36Decanted: (Y/N) NDate Extracted: 03/22/12Concentrated Extract Volume: 5000 (µL)Date Analyzed: 03/24/12Injection Volume: 2 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	2600	U J
108-95-2	Phenol	7400	
111-44-4	Bis(2-chloroethyl) ether	2600	U
95-57-8	2-Chlorophenol	2600	U
95-48-7	2-Methylphenol	25000	
108-60-1	2,2'-oxybis(1-chloropropane)	2600	U
98-86-2	Acetophenone	2600	U
106-44-5	4-Methylphenol	11000	J
621-64-7	N-Nitroso-di-n-propylamine	2600	U
67-72-1	Hexachloroethane	2600	U
98-95-3	Nitrobenzene	2600	U J
78-59-1	Isophorone	2600	U J
88-75-5	2-Nitrophenol	2600	U J
105-67-9	2,4-Dimethylphenol	11000	J
111-91-1	Bis(2-chloroethoxy) methane	2600	U J
120-83-2	2,4-Dichlorophenol	2600	U J
~~91-20-3~~	~~Naphthalene~~	~~9100000~~	~~E~~
106-47-8	4-Chloroaniline	2600	U J
87-68-3	Hexachlorobutadiene	2600	U J
105-60-2	Caprolactam	2600	U J
59-50-7	4-Chloro-3-methylphenol	2600	U J
~~91-57-6~~	~~2-Methylnaphthalene~~	~~350000~~	~~E~~
77-47-4	Hexachlorocyclopentadiene	2600	U
88-06-2	2,4,6-Trichlorophenol	2600	U
95-95-4	2,4,5-Trichlorophenol	6500	U
92-52-4	1,1'-Biphenyl	16000	
91-58-7	2-Chloronaphthalene	2600	U
88-74-4	2-Nitroaniline	6500	U
131-11-3	Dimethylphthalate	2600	U
606-20-2	2,6-Dinitrotoluene	2600	U
208-96-8	Acenaphthylene	6600	
99-09-2	3-Nitroaniline	6500	U
83-32-9	Acenaphthene	2800	
51-28-5	2,4-Dinitrophenol	6500	U J
100-02-7	4-Nitrophenol	6500	U
132-64-9	Dibenzofuran	10000	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E44ES

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166Matrix: (soil/water) SOILLab Sample ID: 1203825-009CSample wt/vol: 15 (g/mL) gLab File ID: 2\N50389.DLevel: (low/med) LOWDate Received: 03/22/12% Moisture: 36 Decanted: (Y/N) NDate Extracted: 03/22/12Concentrated Extract Volume: 5000 (µL)Date Analyzed: 03/24/12Injection Volume: 2 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/kg)	UG/KG	Q
121-14-2	2,4-Dinitrotoluene	2600		U
84-66-2	Diethylphthalate	2600		U
86-73-7	Fluorene	6800		
7005-72-3	4-Chlorophenyl-phenylether	2600		U
100-01-6	4-Nitroaniline	6500		U
534-52-1	4,6-Dinitro-2-methylphenol	6500		U J
86-30-6	N-Nitrosodiphenylamine	2600		U
101-55-3	4-Bromophenyl-phenylether	2600		U
118-74-1	Hexachlorobenzene	2600		U
1912-24-9	Atrazine	2600		U
87-86-5	Pentachlorophenol	6500		U
85-01-8	Phenanthrene	32000		
120-12-7	Anthracene	2300		J
86-74-8	Carbazole	2300		J
84-74-2	Di-n-butyl phthalate	2600		U
206-44-0	Fluoranthene	27000		
129-00-0	Pyrene	28000		
85-68-7	Butyl benzyl phthalate	2600		U
91-94-1	3,3'-Dichlorobenzidine	2600		U
56-55-3	Benzo(a)anthracene	9100		
218-01-9	Chrysene	9300		
117-81-7	Bis(2-ethylhexyl)phthalate	2600		U
117-84-0	Di-n-octyl phthalate	2600		U
205-99-2	Benzo(b)fluoranthene	14000		
207-08-9	Benzo(k)fluoranthene	5800		
50-32-8	Benzo(a)pyrene	5300		
193-39-5	Indeno(1,2,3-cd)pyrene	4700		
53-70-3	Dibenzo(a,h)anthracene	1100		J
191-24-2	Benzo(g,h,i)perylene	5800		

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E44ESDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water) SOIL

Lab Sample ID: 1203825-009CDL

Sample wt/vol: 15 (g/mL) g

Lab File ID: 2\N50375.D

Level: (low/med) LOW

Date Received: 03/22/12

% Moisture: 36 Decanted: (Y/N) N

Date Extracted: 03/22/12

Concentrated Extract Volume: 5000 (µL)

Date Analyzed: 03/23/12

Injection Volume: 2 (µL)

Dilution Factor: 2,000.00

GPC Cleanup: (Y/N) N pH: 7.0

Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	5200000	U
108-95-2	Phenol	5200000	U
111-44-4	Bis(2-chloroethyl) ether	5200000	U
95-57-8	2-Chlorophenol	5200000	U
95-48-7	2-Methylphenol	5200000	U
108-60-1	2,2'-oxybis(1-chloropropane)	5200000	U
98-86-2	Acetophenone	5200000	U
106-44-5	4-Methylphenol	5200000	U
621-64-7	N-Nitroso-di-n-propylamine	5200000	U
67-72-1	Hexachloroethane	5200000	U
98-95-3	Nitrobenzene	5200000	U
78-59-1	Isophorone	5200000	U
88-75-5	2-Nitrophenol	5200000	U
105-67-9	2,4-Dimethylphenol	5200000	U
111-91-1	Bis(2-chloroethoxy) methane	5200000	U
120-83-2	2,4-Dichlorophenol	5200000	U
91-20-3	Naphthalene	78000000	Ø
106-47-8	4-Chloroaniline	5200000	U
87-68-3	Hexachlorobutadiene	5200000	U
105-60-2	Caprolactam	5200000	U
59-50-7	4-Chloro-3-methylphenol	5200000	U
91-57-6	2-Methylnaphthalene	5200000	U
77-47-4	Hexachlorocyclopentadiene	5200000	U
88-06-2	2,4,6-Trichlorophenol	5200000	U
95-95-4	2,4,5-Trichlorophenol	13000000	U
92-52-4	1,1'-Biphenyl	5200000	U
91-58-7	2-Chloronaphthalene	5200000	U
88-74-4	2-Nitroaniline	13000000	U
131-11-3	Dimethylphthalate	5200000	U
606-20-2	2,6-Dinitrotoluene	5200000	U
208-96-8	Acenaphthylene	5200000	U
99-09-2	3-Nitroaniline	13000000	U
83-32-9	Acenaphthene	5200000	U
51-28-5	2,4-Dinitrophenol	13000000	U
100-02-7	4-Nitrophenol	13000000	U
132-64-9	Dibenzofuran	5200000	U

*Report only
Naphthalene
and
2-methylnaphthalene*

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E44ESDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166Matrix: (soil/water) SOILLab Sample ID: 1203825-009CDLSample wt/vol: 15 (g/mL) gLab File ID: 2\N50375.DLevel: (low/med) LOWDate Received: 03/22/12% Moisture: 36 Decanted: (Y/N) NDate Extracted: 03/22/12Concentrated Extract Volume: 5000 (µL)Date Analyzed: 03/23/12Injection Volume: 2 (µL)Dilution Factor: 2,000.00GPC Cleanup: (Y/N) N pH: 7.0Extraction: (Type) PFEEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/KG	Q
121-14-2	2,4-Dinitrotoluene	5200000		U
84-66-2	Diethylphthalate	5200000		U
86-73-7	Fluorene	5200000		U
7005-72-3	4-Chlorophenyl-phenylether	5200000		U
100-01-6	4-Nitroaniline	13000000		U
534-52-1	4,6-Dinitro-2-methylphenol	13000000		U
86-30-6	N-Nitrosodiphenylamine	5200000		U
101-55-3	4-Bromophenyl-phenylether	5200000		U
118-74-1	Hexachlorobenzene	5200000		U
1912-24-9	Atrazine	5200000		U
87-86-5	Pentachlorophenol	13000000		U
85-01-8	Phenanthrene	5200000		U
120-12-7	Anthracene	5200000		U
86-74-8	Carbazole	5200000		U
84-74-2	Di-n-butyl phthalate	5200000		U
206-44-0	Fluoranthene	5200000		U
129-00-0	Pyrene	5200000		U
85-68-7	Butyl benzyl phthalate	5200000		U
91-94-1	3,3'-Dichlorobenzidine	5200000		U
56-55-3	Benzo(a)anthracene	5200000		U
218-01-9	Chrysene	5200000		U
117-81-7	Bis(2-ethylhexyl)phthalate	5200000		U
117-84-0	Di-n-octyl phthalate	5200000		U
205-99-2	Benzo(b)fluoranthene	5200000		U
207-08-9	Benzo(k)fluoranthene	5200000		U
50-32-8	Benzo(a)pyrene	5200000		U
193-39-5	Indeno(1,2,3-cd)pyrene	5200000		U
53-70-3	Dibenzo(a,h)anthracene	5200000		U
191-24-2	Benzo(g,h,i)perylene	5200000		U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E44FS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166Matrix: (soil/water) SOILLab Sample ID: 1203825-010CSample wt/vol: 15 (g/mL) gLab File ID: 2\N50388.DLevel: (low/med) LOWDate Received: 03/22/12% Moisture: 38Decanted: (Y/N) NDate Extracted: 03/22/12Concentrated Extract Volume: 5000 (µL)Date Analyzed: 03/24/12Injection Volume: 2 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 7.0Extraction: (Type) PFEEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	2600	U J
108-95-2	Phenol	2200	J
111-44-4	Bis(2-chloroethyl) ether	2600	U
95-57-8	2-Chlorophenol	2600	U
95-48-7	2-Methylphenol	4600	
108-60-1	2,2'-oxybis(1-chloropropane)	2600	U
98-86-2	Acetophenone	2600	U
106-44-5	4-Methylphenol	2700	J
621-64-7	N-Nitroso-di-n-propylamine	2600	U
67-72-1	Hexachloroethane	2600	U
98-95-3	Nitrobenzene	2600	U
78-59-1	Isophorone	2600	U
88-75-5	2-Nitrophenol	2600	U
105-67-9	2,4-Dimethylphenol	3100	
111-91-1	Bis(2-chloroethoxy) methane	2600	U
120-83-2	2,4-Dichlorophenol	2600	U
91-20-3	Naphthalene	4000000	E
106-47-8	4-Chloroaniline	2600	U
87-68-3	Hexachlorobutadiene	2600	U
105-60-2	Caprolactam	2600	U
59-50-7	4-Chloro-3-methylphenol	2600	U
91-57-6	2-Methylnaphthalene	110000	E
77-47-4	Hexachlorocyclopentadiene	2600	U
88-06-2	2,4,6-Trichlorophenol	2600	U
95-95-4	2,4,5-Trichlorophenol	6600	U
92-52-4	1,1'-Biphenyl	7500	
91-58-7	2-Chloronaphthalene	2600	U
88-74-4	2-Nitroaniline	6600	U
131-11-3	Dimethylphthalate	2600	U
606-20-2	2,6-Dinitrotoluene	2600	U
208-96-8	Acenaphthylene	4000	
99-09-2	3-Nitroaniline	6600	U
83-32-9	Acenaphthene	6400	
51-28-5	2,4-Dinitrophenol	6600	U J
100-02-7	4-Nitrophenol	6600	U
132-64-9	Dibenzofuran	8600	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E44FS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166Matrix: (soil/water) SOILLab Sample ID: 1203825-010CSample wt/vol: 15 (g/mL) gLab File ID: 2\N50388.DLevel: (low/med) LOWDate Received: 03/22/12% Moisture: 38 Decanted: (Y/N) NDate Extracted: 03/22/12Concentrated Extract Volume: 5000 (µL)Date Analyzed: 03/24/12Injection Volume: 2 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	2600	U
84-66-2	Diethylphthalate	2600	U
86-73-7	Fluorene	9400	
7005-72-3	4-Chlorophenyl-phenylether	2600	U
100-01-6	4-Nitroaniline	6600	U
534-52-1	4,6-Dinitro-2-methylphenol	6600	U J
86-30-6	N-Nitrosodiphenylamine	2600	U
101-55-3	4-Bromophenyl-phenylether	2600	U
118-74-1	Hexachlorobenzene	2600	U
1912-24-9	Atrazine	2600	U
87-86-5	Pentachlorophenol	6600	U
85-01-8	Phenanthrene	55000	E
120-12-7	Anthracene	15000	
86-74-8	Carbazole	5800	
84-74-2	Di-n-butyl phthalate	2600	U
206-44-0	Fluoranthene	54000	E
129-00-0	Pyrene	55000	E
85-68-7	Butyl benzyl phthalate	2600	U
91-94-1	3,3'-Dichlorobenzidine	2600	U
56-55-3	Benzo(a)anthracene	24000	
218-01-9	Chrysene	21000	
117-81-7	Bis(2-ethylhexyl)phthalate	2600	U
117-84-0	Di-n-octyl phthalate	2600	U
205-99-2	Benzo(b)fluoranthene	29000	
207-08-9	Benzo(k)fluoranthene	10000	
50-32-8	Benzo(a)pyrene	20000	
193-39-5	Indeno(1,2,3-cd)pyrene	8200	
53-70-3	Dibenzo(a,h)anthracene	2600	J
191-24-2	Benzo(g,h,i)perylene	9600	

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E44FSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166Matrix: (soil/water) SOILLab Sample ID: 1203825-010CDLSample wt/vol: 15 (g/mL) gLab File ID: 2\N50376.DLevel: (low/med) LOWDate Received: 03/22/12% Moisture: 38 Decanted: (Y/N) NDate Extracted: 03/22/12Concentrated Extract Volume: 5000 (µL)Date Analyzed: 03/23/12Injection Volume: 2 (µL)Dilution Factor: 1,000.00GPC Cleanup: (Y/N) N pH: 7.0Extraction: (Type) PFEEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	2600000	U
108-95-2	Phenol	2600000	U
111-44-4	Bis(2-chloroethyl) ether	2600000	U
95-57-8	2-Chlorophenol	2600000	U
95-48-7	2-Methylphenol	2600000	U
108-60-1	2,2'-oxybis(1-chloropropane)	2600000	U
98-86-2	Acetophenone	2600000	U
106-44-5	4-Methylphenol	2600000	U
621-64-7	N-Nitroso-di-n-propylamine	2600000	U
67-72-1	Hexachloroethane	2600000	U
98-95-3	Nitrobenzene	2600000	U
78-59-1	Isophorone	2600000	U
88-75-5	2-Nitrophenol	2600000	U
105-67-9	2,4-Dimethylphenol	2600000	U
111-91-1	Bis(2-chloroethoxy) methane	2600000	U
120-83-2	2,4-Dichlorophenol	2600000	U
91-20-3	Naphthalene	21000000	U
106-47-8	4-Chloroaniline	2600000	U
87-68-3	Hexachlorobutadiene	2600000	U
105-60-2	Caprolactam	2600000	U
59-50-7	4-Chloro-3-methylphenol	2600000	U
91-57-6	2-Methylnaphthalene	2600000	U
77-47-4	Hexachlorocyclopentadiene	2600000	U
88-06-2	2,4,6-Trichlorophenol	2600000	U
95-95-4	2,4,5-Trichlorophenol	6600000	U
92-52-4	1,1'-Biphenyl	2600000	U
91-58-7	2-Chloronaphthalene	2600000	U
88-74-4	2-Nitroaniline	6600000	U
131-11-3	Dimethylphthalate	2600000	U
606-20-2	2,6-Dinitrotoluene	2600000	U
208-96-8	Acenaphthylene	2600000	U
99-09-2	3-Nitroaniline	6600000	U
83-32-9	Acenaphthene	2600000	U
51-28-5	2,4-Dinitrophenol	6600000	U
100-02-7	4-Nitrophenol	6600000	U
132-64-9	Dibenzofuran	2600000	U

* Report only circled compounds

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E44FSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM166

Matrix: (soil/water) SOIL

Lab Sample ID: 1203825-010CDL

Sample wt/vol: 15 (g/mL) g

Lab File ID: 2\N50376.D

Level: (low/med) LOW

Date Received: 03/22/12

% Moisture: 38 Decanted: (Y/N) N

Date Extracted: 03/22/12

Concentrated Extract Volume: 5000 (μL)

Date Analyzed: 03/23/12

Injection Volume: 2 (μL)

Dilution Factor: 1,000.00

GPC Cleanup: (Y/N) N pH: 7.0

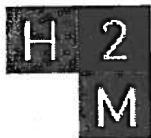
Extraction: (Type) PFEEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg)	UG/KG	Q
121-14-2	2,4-Dinitrotoluene	2600000		U
84-66-2	Diethylphthalate	2600000		U
86-73-7	Fluorene	2600000		U
7005-72-3	4-Chlorophenyl-phenylether	2600000		U
100-01-6	4-Nitroaniline	6600000		U
534-52-1	4,6-Dinitro-2-methylphenol	6600000		U
86-30-6	N-Nitrosodiphenylamine	2600000		U
101-55-3	4-Bromophenyl-phenylether	2600000		U
118-74-1	Hexachlorobenzene	2600000		U
1912-24-9	Atrazine	6600000		U
87-86-5	Pentachlorophenol	2600000		U
85-01-8	Phenanthrene	2600000		U
120-12-7	Anthracene	2600000		U
86-74-8	Carbazole	2600000		U
84-74-2	Di-n-butyl phthalate	2600000		U
206-44-0	Fluoranthene	2600000		U
129-00-0	Pyrene	2600000		U
85-68-7	Butyl benzyl phthalate	2600000		U
91-94-1	3,3'-Dichlorobenzidine	2600000		U
56-55-3	Benzo(a)anthracene	2600000		U
218-01-9	Chrysene	2600000		U
117-81-7	Bis(2-ethylhexyl)phthalate	2600000		U
117-84-0	Di-n-octyl phthalate	2600000		U
205-99-2	Benzo(b)fluoranthene	2600000		U
207-08-9	Benzo(k)fluoranthene	2600000		U
50-32-8	Benzo(a)pyrene	2600000		U
193-39-5	Indeno(1,2,3-cd)pyrene	2600000		U
53-70-3	Dibenzo(a,h)anthracene	2600000		U
191-24-2	Benzo(g,h,i)perylene	2600000		U

(1) Cannot be separated from Diphenylamine

** Report only circled compounds*



labs

LABORATORY RESULTS

575 Broad Hollow Melville, NY 11747 Results for the samples and analytes requested

TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

Lab No. : **1203825-008**

Sample Information...

Type : Soil

AECOM-Mass

250 Apollo Drive

Chelmsford, MA 01824

Attn To : Scott Wozniakowski

ClientSample ID. : E44DS

Origin:

Collected : 3/21/2012 8:30:00 AM

Received : 3/22/2012 4:35:00 PM

Collected By AECOM

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Free Cyanide	< 0.185		1	mg/Kg-dry	SW9014	03/23/2012 2:00 PM
Percent Moisture	32.4		1	wt%	D2216	03/23/2012 6:17 AM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound

Date Reported : 4/10/2012

Laboratory Manager



labs

LABORATORY RESULTS

575 Broad Hollow Melville, NY 11747

Results for the samples and analytes requested

TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

Lab No. : **1203825-009**

ClientSample ID. : E44ES

Sample Information...

Type : Soil

Origin:

AECOM-Mass

250 Apollo Drive

Chelmsford, MA 01824

Attn To : Scott Wozniakowski

Collected : 3/22/2012 8:30:00 AM

Received : 3/22/2012 4:35:00 PM

Collected By AECOM

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Free Cyanide	< 0.157		1	mg/Kg-dry	SW9014	03/23/2012 2:00 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound

Date Reported : 4/10/2012

Laboratory Manager



labs

LABORATORY RESULTS

575 Broad Hollow Melville, NY 11747

Results for the samples and analytes requested

TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

Lab No. : **1203825-010**

ClientSample ID. : E44FS

Sample Information...

Type : Soil

Origin:

AECOM-Mass

250 Apollo Drive

Chelmsford, MA 01824

Attn To : Scott Wozniakowski

Collected : 3/21/2012 8:30:00 AM

Received : 3/22/2012 4:35:00 PM

Collected By AECOM

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Free Cyanide	0.465		1	mg/Kg-dry	SW9014	03/23/2012 2:00 PM
Percent Moisture	37.6		1	wt%	D2216	03/23/2012 6:22 AM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Date Reported : 4/10/2012

Joann M. Slavin

Laboratory Manager

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E60DS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM169Matrix: (soil/water) SOILLab Sample ID: 1204166-004ASample wt/vol: 15 (g/mL) gLab File ID: 2\N50711.DLevel: (low/med) LOWDate Received: 04/04/12% Moisture: 36 Decanted: (Y/N) NDate Extracted: 04/06/12Concentrated Extract Volume: 500 (µL)Date Analyzed: 04/11/12Injection Volume: 2 (µL)Dilution Factor: 10.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEK

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	5100	U J
108-95-2	Phenol	2200	J
111-44-4	Bis(2-chloroethyl)ether	5100	U
95-57-8	2-Chlorophenol	5100	U
95-48-7	2-Methylphenol	1300	J
108-60-1	2,2'-oxybis(1-chloropropane)	5100	U
98-86-2	Acetophenone	3000	J
106-44-5	4-Methylphenol	3200	J
621-64-7	N-Nitroso-di-n-propylamine	5100	U
67-72-1	Hexachloroethane	5100	U
98-95-3	Nitrobenzene	5100	U
78-59-1	Isophorone	5100	U
88-75-5	2-Nitrophenol	5100	U
105-67-9	2,4-Dimethylphenol	1700	J
111-91-1	Bis(2-chloroethoxy)methane	5100	U
120-83-2	2,4-Dichlorophenol	5100	U
91-20-3	Naphthalene	36000	
106-47-8	4-Chloroaniline	5100	U
87-68-3	Hexachlorobutadiene	5100	U
105-60-2	Caprolactam	5100	U
59-50-7	4-Chloro-3-methylphenol	5100	U
91-57-6	2-Methylnaphthalene	17000	
77-47-4	Hexachlorocyclopentadiene	5100	U J
88-06-2	2,4,6-Trichlorophenol	5100	U
95-95-4	2,4,5-Trichlorophenol	13000	U
92-52-4	1,1'-Biphenyl	6400	J
91-58-7	2-Chloronaphthalene	5100	U
88-74-4	2-Nitroaniline	13000	U
131-11-3	Dimethylphthalate	5100	U
606-20-2	2,6-Dinitrotoluene	5100	U
208-96-8	Acenaphthylene	31000	
99-09-2	3-Nitroaniline	13000	U
83-32-9	Acenaphthene	10000	
51-28-5	2,4-Dinitrophenol	13000	U J
100-02-7	4-Nitrophenol	13000	U
132-64-9	Dibenzofuran	27000	

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E60DS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM169Matrix: (soil/water) SOILLab Sample ID: 1204166-004ASample wt/vol: 15 (g/mL) gLab File ID: 2\N50711.DLevel: (low/med) LOWDate Received: 04/04/12% Moisture: 36 Decanted: (Y/N) NDate Extracted: 04/06/12Concentrated Extract Volume: 500 (µL)Date Analyzed: 04/11/12Injection Volume: 2 (µL)Dilution Factor: 10.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFE

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	Q
121-14-2	2,4-Dinitrotoluene	5100	U <u>J</u>
84-66-2	Diethylphthalate	5100	U
86-73-7	Fluorene	32000	
7005-72-3	4-Chlorophenyl-phenylether	5100	U
100-01-6	4-Nitroaniline	13000	U
534-52-1	4,6-Dinitro-2-methylphenol	13000	U <u>J</u>
86-30-6	N-Nitrosodiphenylamine	5100	U
101-55-3	4-Bromophenyl-phenylether	5100	U
118-74-1	Hexachlorobenzene	5100	U
1912-24-9	Atrazine	5100	U
87-86-5	Pentachlorophenol	13000	U
~~85-01-8~~	~~Phenanthrene~~	~~200000~~	~~E~~
120-12-7	Anthracene	63000	
86-74-8	Carbazole	26000	
84-74-2	Di-n-butyl phthalate	5100	U
~~206-44-0~~	~~Fluoranthene~~	~~200000~~	~~E~~
~~129-00-0~~	~~Pyrene~~	~~230000~~	~~E~~
85-68-7	Butyl benzyl phthalate	5100	U
91-94-1	3,3'-Dichlorobenzidine	5100	U
~~56-55-3~~	~~Benzo(a)anthracene~~	~~130000~~	~~E~~
~~218-01-9~~	~~Chrysene~~	~~110000~~	~~E~~
117-81-7	Bis(2-ethylhexyl)phthalate	5100	U
117-84-0	Di-n-octyl phthalate	5100	U <u>J</u>
~~205-99-2~~	~~Benzo(b)fluoranthene~~	~~170000~~	~~E~~
207-08-9	Benzo(k)fluoranthene	66000	<u>J</u>
~~50-32-8~~	~~Benzo(a)pyrene~~	~~140000~~	~~E~~
193-39-5	Indeno(1,2,3-cd)pyrene	53000	<u>J</u>
53-70-3	Dibenzo(a,h)anthracene	16000	<u>J</u>
191-24-2	Benzo(g,h,i)perylene	48000	<u>J</u>

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E60DSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM169Matrix: (soil/water) SOILLab Sample ID: 1204166-004ADLSample wt/vol: 15 (g/mL) gLab File ID: 2\N50822.DLevel: (low/med) LOWDate Received: 04/04/12% Moisture: 36 Decanted: (Y/N) NDate Extracted: 04/06/12Concentrated Extract Volume: 500 (µL)Date Analyzed: 04/18/12Injection Volume: 2 (µL)Dilution Factor: 50.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	Q
100-52-7	Benzaldehyde	26000	U
108-95-2	Phenol	26000	U
111-44-4	Bis(2-chloroethyl) ether	26000	U
95-57-8	2-Chlorophenol	26000	U
95-48-7	2-Methylphenol	26000	U
108-60-1	2,2'-oxybis(1-chloropropane)	26000	U
98-86-2	Acetophenone	26000	U
106-44-5	4-Methylphenol	26000	U
621-64-7	N-Nitroso-di-n-propylamine	26000	U
67-72-1	Hexachloroethane	26000	U
98-95-3	Nitrobenzene	26000	U
78-59-1	Isophorone	26000	U
88-75-5	2-Nitrophenol	26000	U
105-67-9	2,4-Dimethylphenol	26000	U
111-91-1	Bis(2-chloroethoxy) methane	26000	U
120-83-2	2,4-Dichlorophenol	26000	U
91-20-3	Naphthalene	48000	D
106-47-8	4-Chloroaniline	26000	U
87-68-3	Hexachlorobutadiene	26000	U
105-60-2	Caprolactam	26000	U
59-50-7	4-Chloro-3-methylphenol	26000	U
91-57-6	2-Methylnaphthalene	22000	DJ
77-47-4	Hexachlorocyclopentadiene	26000	U
88-06-2	2,4,6-Trichlorophenol	26000	U
95-95-4	2,4,5-Trichlorophenol	65000	U
92-52-4	1,1'-Biphenyl	9800	DJ
91-58-7	2-Chloronaphthalene	26000	U
88-74-4	2-Nitroaniline	65000	U
131-11-3	Dimethylphthalate	26000	U
606-20-2	2,6-Dinitrotoluene	26000	U
208-96-8	Acenaphthylene	41000	D
99-09-2	3-Nitroaniline	65000	U
83-32-9	Acenaphthene	13000	DJ
51-28-5	2,4-Dinitrophenol	65000	U
100-02-7	4-Nitrophenol	65000	U
132-64-9	Dibenzofuran	35000	D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E60DSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM169Matrix: (soil/water) SOILLab Sample ID: 1204166-004ADLSample wt/vol: 15 (g/mL) gLab File ID: 2\N50822.DLevel: (low/med) LOWDate Received: 04/04/12% Moisture: 36 Decanted: (Y/N) NDate Extracted: 04/06/12Concentrated Extract Volume: 500 (µL)Date Analyzed: 04/18/12Injection Volume: 2 (µL)Dilution Factor: 50.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEK

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	26000	U
84-66-2	Diethylphthalate	26000	U
86-73-7	Fluorene	43000	D
7005-72-3	4-Chlorophenyl-phenylether	26000	U
100-01-6	4-Nitroaniline	65000	U
534-52-1	4,6-Dinitro-2-methylphenol	65000	U
86-30-6	N-Nitrosodiphenylamine	26000	U
101-55-3	4-Bromophenyl-phenylether	26000	U
118-74-1	Hexachlorobenzene	26000	U
1912-24-9	Atrazine	26000	U
87-86-5	Pentachlorophenol	65000	U
85-01-8	Phenanthrene	360000	~~U~~ *
120-12-7	Anthracene	94000	D
86-74-8	Carbazole	34000	D
84-74-2	Di-n-butyl phthalate	26000	U
206-44-0	Fluoranthene	360000	~~U~~ *
129-00-0	Pyrene	340000	~~U~~ *
85-68-7	Butyl benzyl phthalate	26000	U
91-94-1	3,3'-Dichlorobenzidine	26000	U
56-55-3	Benzo(a)anthracene	160000	~~U~~ *
218-01-9	Chrysene	150000	~~U~~ *
117-81-7	Bis(2-ethylhexyl)phthalate	26000	U
117-84-0	Di-n-octyl phthalate	26000	U
205-99-2	Benzo(b)fluoranthene	160000	~~U~~ *
207-08-9	Benzo(k)fluoranthene	60000	D
50-32-8	Benzo(a)pyrene	140000	~~U~~ *
193-39-5	Indeno(1,2,3-cd)pyrene	60000	D
53-70-3	Dibenzo(a,h)anthracene	17000	DJ
191-24-2	Benzo(g,h,i)perylene	52000	D

(1) Cannot be separated from Diphenylamine

* Report only circled compounds

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E65CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM169Matrix: (soil/water) SOILLab Sample ID: 1204166-007ASample wt/vol: 15 (g/mL) gLab File ID: 2\N50712.DLevel: (low/med) LOWDate Received: 04/04/12% Moisture: 13 Decanted: (Y/N) NDate Extracted: 04/06/12Concentrated Extract Volume: 500 (µL)Date Analyzed: 04/11/12Injection Volume: 2 (µL)Dilution Factor: 10.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	3800	U <u>J</u>
108-95-2	Phenol	3100	J
111-44-4	Bis(2-chloroethyl)ether	3800	U
95-57-8	2-Chlorophenol	3800	U
95-48-7	2-Methylphenol	1800	J
108-60-1	2,2'-oxybis(1-chloropropane)	3800	U
98-86-2	Acetophenone	3800	U
106-44-5	4-Methylphenol	5100	<u>J</u>
621-64-7	N-Nitroso-di-n-propylamine	3800	U
67-72-1	Hexachloroethane	3800	U
98-95-3	Nitrobenzene	3800	U
78-59-1	Isophorone	3800	U
88-75-5	2-Nitrophenol	3800	U
105-67-9	2,4-Dimethylphenol	2600	J
111-91-1	Bis(2-chloroethoxy)methane	3800	U
120-83-2	2,4-Dichlorophenol	3800	U
~~91-20-3~~	~~Naphthalene~~	~~100000~~	~~E~~
106-47-8	4-Chloroaniline	~~3800~~	~~U~~ <u>R</u>
87-68-3	Hexachlorobutadiene	3800	U
105-60-2	Caprolactam	~~3800~~	~~U~~ <u>R</u>
59-50-7	4-Chloro-3-methylphenol	3800	U
91-57-6	2-Methylnaphthalene	38000	
77-47-4	Hexachlorocyclopentadiene	~~3800~~	~~U~~ <u>R</u>
88-06-2	2,4,6-Trichlorophenol	3800	U
95-95-4	2,4,5-Trichlorophenol	9500	U
92-52-4	1,1'-Biphenyl	9100	~~Z~~
91-58-7	2-Chloronaphthalene	3800	U
88-74-4	2-Nitroaniline	9500	U
131-11-3	Dimethylphthalate	3800	U
606-20-2	2,6-Dinitrotoluene	3800	U
208-96-8	Acenaphthylene	21000	
99-09-2	3-Nitroaniline	9500	U
83-32-9	Acenaphthene	11000	
51-28-5	2,4-Dinitrophenol	~~9500~~	~~U~~ <u>R</u>
100-02-7	4-Nitrophenol	9500	U
132-64-9	Dibenzofuran	50000	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E65CS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM169

Matrix: (soil/water) SOIL

Lab Sample ID: 1204166-007A

Sample wt/vol: 15 (g/mL) g

Lab File ID: 2\N50712.D

Level: (low/med) LOW

Date Received: 04/04/12

% Moisture: 13 Decanted: (Y/N) N

Date Extracted: 04/06/12

Concentrated Extract Volume: 500 (µL)

Date Analyzed: 04/11/12

Injection Volume: 2 (µL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) PFEK

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	3800	U <u>J</u>
84-66-2	Diethylphthalate	3800	U
86-73-7	Fluorene	42000	
7005-72-3	4-Chlorophenyl-phenylether	3800	U
100-01-6	4-Nitroaniline	9500	U
534-52-1	4,6-Dinitro-2-methylphenol	9500	U <u>J</u>
86-30-6	N-Nitrosodiphenylamine	3800	U
101-55-3	4-Bromophenyl-phenylether	3800	U
118-74-1	Hexachlorobenzene	3800	U
1912-24-9	Atrazine	3800	U
87-86-5	Pentachlorophenol	9500	U
~~85-01-8~~	~~Phenanthrene~~	~~200000~~	~~E~~
~~120-12-7~~	~~Anthracene~~	~~69000~~	~~E~~
86-74-8	Carbazole	29000	
84-74-2	Di-n-butyl phthalate	3800	U
~~206-44-0~~	~~Fluoranthene~~	~~170000~~	~~E~~
~~129-00-0~~	~~Pyrene~~	~~190000~~	~~E~~
85-68-7	Butyl benzyl phthalate	3800	U
91-94-1	3,3'-Dichlorobenzidine	3800	U
~~56-55-3~~	~~Benzo(a)anthracene~~	~~100000~~	~~E~~
~~218-01-9~~	~~Chrysene~~	~~92000~~	~~E~~
117-81-7	Bis(2-ethylhexyl)phthalate	3800	U
117-84-0	Di-n-octyl phthalate	3800	U <u>J</u>
~~205-99-2~~	~~Benzo(b)fluoranthene~~	~~160000~~	~~E~~
207-08-9	Benzo(k)fluoranthene	54000	<u>J</u>
~~50-32-8~~	~~Benzo(a)pyrene~~	~~120000~~	~~E~~
193-39-5	Indeno(1,2,3-cd)pyrene	46000	<u>J</u>
53-70-3	Dibenzo(a,h)anthracene	15000	<u>J</u>
191-24-2	Benzo(g,h,i)perylene	36000	<u>J</u>

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E65CSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM169Matrix: (soil/water) SOILLab Sample ID: 1204166-007ADLSample wt/vol: 15 (g/mL) gLab File ID: 2\N50823.DLevel: (low/med) LOWDate Received: 04/04/12% Moisture: 13 Decanted: (Y/N) NDate Extracted: 04/06/12Concentrated Extract Volume: 500 (µL)Date Analyzed: 04/18/12Injection Volume: 2 (µL)Dilution Factor: 100.00GPC Cleanup: (Y/N) Y pH: 7.0Extraction: (Type) PFEH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	Q
100-52-7	Benzaldehyde	38000	U
108-95-2	Phenol	38000	U
111-44-4	Bis(2-chloroethyl) ether	38000	U
95-57-8	2-Chlorophenol	38000	U
95-48-7	2-Methylphenol	38000	U
108-60-1	2,2'-oxybis(1-chloropropane)	38000	U
98-86-2	Acetophenone	38000	U
106-44-5	4-Methylphenol	8600	DJ
621-64-7	N-Nitroso-di-n-propylamine	38000	U
67-72-1	Hexachloroethane	38000	U
98-95-3	Nitrobenzene	38000	U
78-59-1	Isophorone	38000	U
88-75-5	2-Nitrophenol	38000	U
105-67-9	2,4-Dimethylphenol	38000	U
111-91-1	Bis(2-chloroethoxy) methane	38000	U
120-83-2	2,4-Dichlorophenol	38000	U
91-20-3	Naphthalene	180000	D
106-47-8	4-Chloroaniline	38000	U
87-68-3	Hexachlorobutadiene	38000	U
105-60-2	Caprolactam	38000	U
59-50-7	4-Chloro-3-methylphenol	38000	U
91-57-6	2-Methylnaphthalene	56000	D
77-47-4	Hexachlorocyclopentadiene	38000	U
88-06-2	2,4,6-Trichlorophenol	38000	U
95-95-4	2,4,5-Trichlorophenol	95000	U
92-52-4	1,1'-Biphenyl	15000	DJ
91-58-7	2-Chloronaphthalene	38000	U
88-74-4	2-Nitroaniline	95000	U
131-11-3	Dimethylphthalate	38000	U
606-20-2	2,6-Dinitrotoluene	38000	U
208-96-8	Acenaphthylene	31000	DJ
99-09-2	3-Nitroaniline	95000	U
83-32-9	Acenaphthene	17000	DJ
51-28-5	2,4-Dinitrophenol	95000	U
100-02-7	4-Nitrophenol	95000	U
132-64-9	Dibenzofuran	78000	D

* RWS

RWS

RWS

RWS

AECOM169 S29

* Report only circled compounds

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E65CSDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2M

Case No.: AECOM-M

SAS No.: _____

SDG No.: AECOM169

Matrix: (soil/water) SOIL

Lab Sample ID: 1204166-007ADL

Sample wt/vol: 15 (g/mL) g

Lab File ID: 2\N50823.D

Level: (low/med) LOW

Date Received: 04/04/12

% Moisture: 13 Decanted: (Y/N) N

Date Extracted: 04/06/12

Concentrated Extract Volume: 500 (µL)

Date Analyzed: 04/18/12

Injection Volume: 2 (µL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	Q
121-14-2	2,4-Dinitrotoluene	38000	U
84-66-2	Diethylphthalate	38000	U
86-73-7	Fluorene	63000	D
7005-72-3	4-Chlorophenyl-phenylether	38000	U
100-01-6	4-Nitroaniline	95000	U
534-52-1	4,6-Dinitro-2-methylphenol	95000	U
86-30-6	N-Nitrosodiphenylamine	38000	U
101-55-3	4-Bromophenyl-phenylether	38000	U
118-74-1	Hexachlorobenzene	38000	U
1912-24-9	Atrazine	38000	U
87-86-5	Pentachlorophenol	95000	U
85-01-8	Phenanthrene	480000	D *
120-12-7	Anthracene	130000	D *
86-74-8	Carbazole	45000	D
84-74-2	Di-n-butyl phthalate	38000	U
206-44-0	Fluoranthene	430000	D *
129-00-0	Pyrene	360000	D *
85-68-7	Butyl benzyl phthalate	38000	U
91-94-1	3,3'-Dichlorobenzidine	38000	U
56-55-3	Benzo(a)anthracene	160000	D *
218-01-9	Chrysene	150000	D *
117-81-7	Bis(2-ethylhexyl)phthalate	38000	U
117-84-0	Di-n-octyl phthalate	38000	U
205-99-2	Benzo(b)fluoranthene	170000	D *
207-08-9	Benzo(k)fluoranthene	57000	D
50-32-8	Benzo(a)pyrene	140000	D *
193-39-5	Indeno(1,2,3-cd)pyrene	66000	D
53-70-3	Dibenzo(a,h)anthracene	19000	DJ
191-24-2	Benzo(g,h,i)perylene	51000	D

(1) Cannot be separated from Diphenylamine

* Report only circled compounds

VOLATILE ORGANICS ANALYSIS DATA SHEET

E70AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M SAS No.: _____SDG No.: AECOM173

Matrix: (soil/water)

SOILLab Sample ID: 1204303-001BSample wt/vol: 5(g/mL) GLab File ID: 12\G14533.

Level: (low/med)

LOWDate Received: 04/06/12

% Moisture: not dec.

8.8Date Analyzed: 04/09/12GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
75-71-8	Dichlorodifluoromethane	11	U <u>3</u>
74-87-3	Chloromethane	11	U
75-01-4	Vinyl chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U <u>3</u>
75-35-4	1,1-Dichloroethene	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	27	
75-15-0	Carbon disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	7	J
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	7	J
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	11	U
78 87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U <u>3</u>
124-48-1	Dibromochloromethane	11	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

E70AS

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M SAS No.: _____SDG No.: AECOM173

Matrix: (soil/water)

SOILLab Sample ID: 1204303-001BSample wt/vol: 5(g/mL) GLab File ID: 12\G14533.

Level: (low/med)

LOWDate Received: 04/06/12

% Moisture: not dec.

8.8Date Analyzed: 04/09/12GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	Q
106-93-4	1,2-Dibromoethane	11	U
~~108-90-7~~	~~Chlorobenzene~~	~~1100~~	~~E~~
100-41-4	Ethylbenzene	2	J
1330-20-7	Xylene (total)	2	J
100-42-5	Styrene	2	J
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	6	J
79-34-5	1,1,2,2-Tetrachloroethane	11	U
~~541-73-1~~	~~1,3-Dichlorobenzene~~	~~1100~~	~~E~~
~~106-46-7~~	~~1,4-Dichlorobenzene~~	~~7100~~	~~E~~
95-50-1	1,2-Dichlorobenzene	99	
96-12-8	1,2-Dibromo-3-chloropropane	11	U
~~120-82-1~~	~~1,2,4-Trichlorobenzene~~	~~2200~~	~~EZ~~

VOLATILE ORGANICS ANALYSIS DATA SHEET

E70ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173

Matrix: (soil/water)

SOIL

Lab Sample ID:

1204303-001BDL

Sample wt/vol:

4(g/mL) G

Lab File ID:

12\G14614.

Level: (low/med)

MED

Date Received:

04/06/12

% Moisture: not dec.

8.8

Date Analyzed:

04/13/12GC Column: Rtx-624ID: .18 (mm)

Dilution Factor:

4.00

Soil Extract Volume:

10000 (µL)

Soil Aliquot Volume

100 (µL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) UG/KG

Q

75-71-8	Dichlorodifluoromethane	5500	U
74-87-3	Chloromethane	5500	U
75-01-4	Vinyl chloride	5500	U
74-83-9	Bromomethane	5500	U
75-00-3	Chloroethane	5500	U
75-69-4	Trichlorofluoromethane	5500	U
75-35-4	1,1-Dichloroethene	5500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5500	U
67-64-1	Acetone	5500	U
75-15-0	Carbon disulfide	5500	U
79-20-9	Methyl Acetate	5500	U
75-09-2	Methylene chloride	740	DBJ
156-60-5	trans-1,2-Dichloroethene	5500	U
1634-04-4	Methyl tert-butyl ether	5500	U
75-34-3	1,1-Dichloroethane	5500	U
156-59-2	cis-1,2-Dichloroethene	5500	U
78-93-3	2-Butanone	5500	U
67-66-3	Chloroform	5500	U
71-55-6	1,1,1-Trichloroethane	5500	U
110-82-7	Cyclohexane	5500	U
56-23-5	Carbon tetrachloride	5500	U
71-43-2	Benzene	5500	U
107-06-2	1,2-Dichloroethane	5500	U
79-01-6	Trichloroethene	5500	U
108-87-2	Methylcyclohexane	5500	U
78-87-5	1,2 Dichloropropane	5500	U
75-27-4	Bromodichloromethane	5500	U
10061-01-5	cis-1,3-Dichloropropene	5500	U
108-10-1	4-Methyl-2-pentanone	5500	U
108-88-3	Toluene	5500	U
10061-02-6	trans-1,3-Dichloropropene	5500	U
79-00-5	1,1,2-Trichloroethane	5500	U
127-18-4	Tetrachloroethene	5500	U
591-78-6	2-Hexanone	5500	U
124-48-1	Dibromochloromethane	5500	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

E70ASDL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM173

Matrix: (soil/water)

SOIL

Lab Sample ID:

1204303-001BDL

Sample wt/vol:

4(g/mL) G

Lab File ID:

12\G14614.

Level: (low/med)

MED

Date Received:

04/06/12

% Moisture: not dec.

8.8

Date Analyzed:

04/13/12GC Column: Rtx-624ID: .18 (mm)

Dilution Factor:

4.00

Soil Extract Volume:

10000 (µL)

Soil Aliquot Volume

100 (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	Q
106-93-4	1,2-Dibromoethane	5500	U
108-90-7	Chlorobenzene	2900	DZ J
100-41-4	Ethylbenzene	5500	U
1330-20-7	Xylene (total)	5500	U
100-42-5	Styrene	5500	U
75-25-2	Bromoform	5500	U
98-82-8	Isopropylbenzene	5500	U
79-34-5	1,1,2,2-Tetrachloroethane	5500	U
541-73-1	1,3-Dichlorobenzene	6300	DZ
106-46-7	1,4-Dichlorobenzene	85000	DZ
95-50-1	1,2-Dichlorobenzene	5500	U
96-12-8	1,2-Dibromo-3-chloropropane	5500	U
120-82-1	1,2,4-Trichlorobenzene	39000	DZ J

Report only circled compounds

VOLATILE ORGANICS ANALYSIS DATA SHEET

D-41 (E70)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M SAS No.: _____SDG No.: AECOM175

Matrix: (soil/water)

SOILLab Sample ID: 1204450-001ASample wt/vol: 5(g/mL) GLab File ID: 12\G14573.

Level: (low/med)

LOWDate Received: 04/10/12

% Moisture: not dec.

4.3Date Analyzed: 04/11/12GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μg/L or μg/Kg) UG/KG

Q

75-71-8	Dichlorodifluoromethane	10	U <u>5</u>
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U <u>5</u>
67-64-1	Acetone	8	<u>7</u>
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U <u>5</u>
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U <u>5</u>
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U <u>5</u>
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D-41 (E70)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M SAS No.: _____SDG No.: AECOM175

Matrix: (soil/water)

SOILLab Sample ID: 1204450-001ASample wt/vol: 5(g/mL) GLab File ID: 12\G14573.

Level: (low/med)

LOWDate Received: 04/10/12

% Moisture: not dec.

4.3Date Analyzed: 04/11/12GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____

(μL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μg/L or μg/Kg) UG/KG

Q

106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	3	J
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	5	J
106-46-7	1,4-Dichlorobenzene	63	B
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	62	.

VOLATILE ORGANICS ANALYSIS DATA SHEET

D-42 (E70)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M SAS No.: _____SDG No.: AECOM175

Matrix: (soil/water)

SOILLab Sample ID: 1204450-002ASample wt/vol: 5(g/mL) GLab File ID: 12\G14574.

Level: (low/med)

LOWDate Received: 04/10/12

% Moisture: not dec.

3Date Analyzed: 04/11/12GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____

(µL)

Soil Aliquot Volume _____

(µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
75-71-8	Dichlorodifluoromethane	10	U <u>5</u>
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U <u>5</u>
67-64-1	Acetone	9	<u>JZ</u>
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U <u>5</u>
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U <u>5</u>
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U <u>5</u>
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

D-42 (E70)

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M SAS No.: _____SDG No.: AECOM175

Matrix: (soil/water)

SOILLab Sample ID: 1204450-002ASample wt/vol: 5(g/mL) GLab File ID: 12\G14574.

Level: (low/med)

LOWDate Received: 04/10/12

% Moisture: not dec.

3Date Analyzed: 04/11/12GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) UG/KG

Q

106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	~~3~~ 10	~~BJ~~ U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	2	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

D-41

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM175Matrix: (soil/water) SOILLab Sample ID: 1204450-001BSample wt/vol: 15 (g/mL) gLab File ID: 12\R9232.DLevel: (low/med) LOWDate Received: 04/10/12% Moisture: 4.3 Decanted: (Y/N) NDate Extracted: 04/11/12Concentrated Extract Volume: 1000 (μL)Date Analyzed: 04/19/12Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) Y pH: 6.0Extraction: (Type) PFEEX

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μg/L or μg/Kg) UG/KG Q

100-52-7	Benzaldehyde	340	U <u>5</u>
108-95-2	Phenol	340	U
111-44-4	Bis(2-chloroethyl) ether	340	U
95-57-8	2-Chlorophenol	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-chloropropane)	340	U
98-86-2	Acetophenone	110	J
106-44-5	4-Methylphenol	340	U <u>5</u>
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U <u>5</u>
111-91-1	Bis(2-chloroethoxy) methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
91-20-3	Naphthalene	570	
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
105-60-2	Caprolactam	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	230	J
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	870	U
92-52-4	1,1'-Biphenyl	340	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	870	U
131-11-3	Dimethylphthalate	340	U
606-20-2	2,6-Dinitrotoluene	340	U
208-96-8	Acenaphthylene	78	J
99-09-2	3-Nitroaniline	870	U
83-32-9	Acenaphthene	400	
51-28-5	2,4-Dinitrophenol	870	U
100-02-7	4-Nitrophenol	870	U
132-64-9	Dibenzofuran	340	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

D-41

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM175Matrix: (soil/water) SOILLab Sample ID: 1204450-001BSample wt/vol: 15 (g/mL) gLab File ID: 12\R9232.DLevel: (low/med) LOWDate Received: 04/10/12% Moisture: 4.3Decanted: (Y/N) NDate Extracted: 04/11/12Concentrated Extract Volume: 1000 (μL)Date Analyzed: 04/19/12Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) YpH: 6.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

(μg/L or μg/Kg) UG/KG Q

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
86-73-7	Fluorene	190	J
7005-72-3	4-Chlorophenyl-phenylether	340	U
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-methylphenol	870	U
86-30-6	N-Nitrosodiphenylamine	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
1912-24-9	Atrazine	340	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	420	
120-12-7	Anthracene	120	J
86-74-8	Carbazole	340	U
84-74-2	Di-n-butyl phthalate	140	J
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	720	
85-68-7	Butyl benzyl phthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	320	J
218-01-9	Chrysene	350	
117-81-7	Bis(2-ethylhexyl)phthalate	340	U
117-84-0	Di-n-octyl phthalate	340	U
205-99-2	Benzo(b)fluoranthene	370	
207-08-9	Benzo(k)fluoranthene	180	J
50-32-8	Benzo(a)pyrene	280	J
193-39-5	Indeno(1,2,3-cd)pyrene	150	J
53-70-3	Dibenzo(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	150	J

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

D-42

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM175Matrix: (soil/water) SOILLab Sample ID: 1204450-002BSample wt/vol: 15 (g/mL) gLab File ID: 12\R9233.DLevel: (low/med) LOWDate Received: 04/10/12% Moisture: 3 Decanted: (Y/N) NDate Extracted: 04/11/12Concentrated Extract Volume: 1000 (μL)Date Analyzed: 04/19/12Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) Y pH: 6.0Extraction: (Type) PFEEX

CONCENTRATION UNITS:

(μg/L or μg/Kg) UG/KG Q

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	340	UJ
108-95-2	Phenol	340	U
111-44-4	Bis(2-chloroethyl) ether	340	U
95-57-8	2-Chlorophenol	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-chloropropane)	340	U
98-86-2	Acetophenone	130	J
106-44-5	4-Methylphenol	340	UJ
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	UJ
111-91-1	Bis(2-chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
91-20-3	Naphthalene	410	
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
105-60-2	Caprolactam	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	160	J
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	860	U
92-52-4	1,1'-Biphenyl	340	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	860	U
131-11-3	Dimethylphthalate	340	U
606-20-2	2,6-Dinitrotoluene	340	U
208-96-8	Acenaphthylene	340	U
99-09-2	3-Nitroaniline	860	U
83-32-9	Acenaphthene	310	J
51-28-5	2,4-Dinitrophenol	860	U
100-02-7	4-Nitrophenol	860	U
132-64-9	Dibenzofuran	340	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

D-42

Lab Name: H2M LABS INC

Contract: _____

Lab Code: H2MCase No.: AECOM-M

SAS No.: _____

SDG No.: AECOM175Matrix: (soil/water) SOILLab Sample ID: 1204450-002BSample wt/vol: 15 (g/mL) gLab File ID: 12\R9233.DLevel: (low/med) LOWDate Received: 04/10/12% Moisture: 3 Decanted: (Y/N) NDate Extracted: 04/11/12Concentrated Extract Volume: 1000 (μL)Date Analyzed: 04/19/12Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) Y pH: 6.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μg/L or μg/Kg) UG/KG Q

121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
86-73-7	Fluorene	130	J
7005-72-3	4-Chlorophenyl-phenylether	340	U
100-01-6	4-Nitroaniline	860	U
534-52-1	4,6-Dinitro-2-methylphenol	860	U
86-30-6	N-Nitrosodiphenylamine	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
1912-24-9	Atrazine	340	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	200	J
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butyl phthalate	96	J
206-44-0	Fluoranthene	220	J
129-00-0	Pyrene	220	J
85-68-7	Butyl benzyl phthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	100	J
218-01-9	Chrysene	100	J
117-81-7	Bis(2-ethylhexyl)phthalate	160	J
117-84-0	Di-n-octyl phthalate	340	U
205-99-2	Benzo(b)fluoranthene	100	J
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	84	J
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

(1) Cannot be separated from Diphenylamine