AECOM Environment

Prepared for:
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5 Post Office Square, Suite 100
(OSRR07-2)
Boston, MA 02109-3912

Prepared by:
AECOM
Rocky Hill CT
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January 23, 2012

Soil Remedial Action Plan

Greenwich High School MISA Phase IIB Construction
Greenwich, CT

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Contents

1.0 Introduction 1-1

1.1 Site Description 1-1

1.2 Conceptual Site Model 1-2

1.3 Investigation Program 1-3

1.3.1 Geology 1-3

1.3.2 Hydrogeology 1-4

1.4 Analytical Data Summary 1-4

1.4.1 PCBs 1-4

1.4.2 Metals 1-5

1.4.3 PAHs 1-6

1.4.4 ETPH 1-6

1.4.5 Pesticides 1-6

1.5 PCB Remedial Goals 1-6

1.6 PCB Remediation Description 1-7

1.7 Notification and Certification 1-7

1.8 Other Chemicals of Concern Remedial Goals 1-8

1.9 Other Chemicals of Concern Remediation Description 1-8

1.10 Public Notice 1-8

1.11 Groundwater Monitoring 1-9

1.12 Environmental Land Use Restrictions 1-9

1.13 Investigation and Remediation Schedule 1-9

2.0 Planned Remediation Procedures 2-1

2.1 Soil Excavations 2-1

2.1.1 Verification Sampling Procedures 2-1

2.1.2 Waste Handling, Storage and Disposal 2-2

2.1.3 Equipment Decontamination 2-3

2.1.4 Air Monitoring 2-3

3.0 Remediation Documentation 3-1

3.1 Field Notes 3-1

3.2 Photographs 3-1

3.3 Transport and Treatment/Disposal Certifications 3-1

3.4 Remedial Action Report 3-1

List of Tables

Table 1 –Soil Analytical Data

List of Figures

Figure 1 – Site Location Map

Figure 2 – Site Plan

Figure 3 – Soil Sample Locations and Areas of Concern

Figure 4 – PCB Analytical Data Summary

Figure 5 – Metals Analytical Data Summary

Figure 6 – PAHs Analytical Data Summary

Figure 7 – ETPH Analytical Data Summary

Figure 8 – Geologic Cross-Sections with Construction Details

List of Appendices

Appendix A Analytical Data Reports

Appendix B Soil Boring Logs

Appendix C Written Certification Required Under §761.61(a)(3)(E)

1.0 Introduction

This Remedial Plan has been developed for the remediation of polychlorinated biphenyls (PCBs) and other chemicals of concern (COCs) found in soil within the footprint of the Music and Instructional Space Auditorium (MISA) construction area at Greenwich High School (GHS) (the Site) located at 10 Hillside Road in Greenwich, Connecticut. The Owner of the Site is the Town of Greenwich (Owner or Town). This Remedial Action Plan (RAP) only covers soil within the footprint of the MISA construction. Site-wide investigation and remedial planning is ongoing and other environmental impacts will be covered under separate plans. However, the construction schedule requires that soil impacted with PCBs and other COCs be addressed at this time.

PCBs have been detected in soil at concentrations regulated under the applicable federal regulations in 40 CFR Part 761 and Connecticut state regulations under Section 22a-133k-1 through -3, inclusive, Remediation Standard Regulations (RSRs) of the Regulations of Connecticut State Agencies. Specifically, soil with total PCB concentrations equal to or greater than 50 milligram per kilogram (≥50 mg/kg) that are classified as PCB Remediation Wastes and additional soil with total PCB concentrations less than 50 mg/kg also regulated under §761.61 have been identified. Additional COCs in soil include metals (lead and arsenic), polynuclear aromatic hydrocarbons (PAHs), pesticides, and extractable total petroleum hydrocarbons (ETPH). This remedial plan has been developed to address PCB-containing materials in accordance with the governing federal regulations under §761.61(a) and the governing state regulations for PCBs and the other COCs as well.

Remediation of these soil impacts will be completed as part of the MISA construction process. As such, provisions for erosion and sediment controls and site security will be handled as part of the much larger construction project. However, prior to any construction activities, remediation of PCBs in soil ≥50 mg/kg will be performed. Verification sampling as per 40 CFR Part 761 Subpart O will follow the excavation to determine if soil with PCBs ≥50 mg/kg has been removed. Following successful completion of the ≥50 mg/kg PCB excavation work, additional excavation work will be performed to remove PCB impacted soil at concentrations >10 mg/kg. Additional verification sampling will follow this excavation work to determine if remedial goals have been achieved.

The proposed PCB excavations will also remediate soil with other COCs that exceed the groundwater classification “A” pollutant mobility criteria (GA PMC). Following determination that the PCB excavations are complete, additional sampling will be performed to determine that remaining soil impacted with other COCs do not exceed the GA PMC. Additional excavations are also planned to specifically address other COCs as well.

1.1 Site Description

The GHS property is located at 10 Hillside Road in Greenwich, Connecticut, which is approximately 73.61 degrees west longitude and 41.04 degrees north latitude. A Site Location Map is provided as **Figure 1** and a site plan indicating property boundaries, major site features, the MISA construction footprint, and sample locations is provided as **Figure 2**.

Information obtained from the Town of Greenwich Tax Assessor’s office indicates that the property is currently owned by the Town of Greenwich, the legal size of the property is 54.75 acres, and the parcel number is 07-4511/S. The property was acquired by the Town in 1966 and construction on the

initial high school buildings was completed in 1970. Additional construction, including the addition of building wings, was performed in 1990.

Sanborn fire insurance maps indicate that prior to 1966 and purchase of the site by the Town, the property was occupied by several residences and outbuildings at the perimeter and a water body that was located centrally, referred to as an ice pond on the Sanborn maps, with an associated ice house. Historical records indicate that fill was brought onto the property to backfill the pond area prior to and during construction of the school. In the early 1970s, additional fill was added to address settling in the western parking area.

The property is in an area that is zoned for single-family residential use (R-20) and it is bounded by residential properties to the north and west, East Putnam Avenue to the south, and Hillside Road to the east. Residential properties are located beyond East Putnam Avenue and Hillside Road. The property is currently in active use as a high school. Improvements include a high school building complex with multiple specific-use wings, paved parking areas, and athletic fields. Utilities serving the property include municipal water, storm drainage, sewer, electricity, and communications. Heating is provided by oil-fired boilers and No. 2 fuel oil for heating is stored on-site in a 15,000-gallon underground storage tank (UST).

A fenced utility area, located on the west side of the school building, encloses a transformer owned and operated by Connecticut Light & Power, an emergency electrical generator with an integral 200-gallon diesel day tank, and a steel storage container used to store maintenance vehicles, and small containers of gasoline. A 1,000-gallon diesel UST for the generator is located between the fenced area and the adjacent paved parking area. The remainder of the property is landscaped or wooded. West Brothers Brook enters the property in the northwest, follows the western boundary, then curves east between the football stadium (Field 1) and the baseball diamond (Field 2) before it widens into a small surface water impoundment in the southeast corner of the property. Water from the impoundment exits the property via a culvert under East Putnam Avenue.

The Natural Resources Conservation Service maps indicate that native soils in the site vicinity are likely to consist generally of sand and gravel with areas of rock outcrops. Historical investigations indicate that native soils at the Site also consist of highly organic soil and peat in the area of the former pond. The United States Geological Survey (USGS) “Surficial Materials Map of Connecticut”, dated 1992, indicates thin till at the property location. The “Bedrock Geology Map of Connecticut”, produced by CT Department of Environmental Protection and USGS and dated 1985, shows bedrock at the property location as foliated gneiss.

As shown on **Figure 2**, the MISA construction footprint is located at the northwest corner of the existing buildings. The structure located to the south was part of the original construction completed in 1970. The structure located to the east of the MISA footprint was constructed in 1990. Historical aerial photographs and available drawings indicate that the area within the MISA footprint was completed as a parking lot at the time of original construction of the buildings.

1.2 Conceptual Site Model

Information gathered during preparation of the Phase I Environmental Site Assessment indicates that fill material of unknown quality was placed at the site prior to and during the construction of the High School between 1966 and 1970. The fill was placed within areas currently occupied by Athletic Fields 2 through 7 and the western parking lot. Historical Sanborn Maps presented in the Phase 1 report showed that residential properties were located on the eastern portion of the Site along Hillside Road.

As best can be determined from these historical maps, these residential properties were located near and within the area of the MISA Footprint.

Thus, from historical site information gathered during the Phase I, the MISA footprint appears to be located at the edge of the area indicated as probably having been filled during construction at the Site. Therefore, potentially impacted soils due to the placement of fill materials are likely present, but expected to be limited, within the MISA footprint.

1.3 Investigation Program

The following is a discussion of the investigation program for the MISA construction area. The investigation was performed in two phases. The first phase was performed to characterize soil within the entire footprint for COCs including PCBs, Metals, Pesticides, PAHs, and TPH. The second phase was performed to further delineate PCB concentrations in soil where the highest concentration was determined in the first phase. Analytical data reports are included in **Appendix A**.

Figure 3 presents a site plan of the investigation area with boring locations. Sixteen soil borings were performed along the 40-foot by 40-foot grid already established for the site and shown on **Figure 2**. Five soil borings were performed along the north-south grid lines designated as 21, 22, and 23 and one boring was performed on the grid line designated as 24. All soil borings are located within the footprint of the Auditorium which will be constructed as part of the MISA project.

Soil borings were planned to be performed to a maximum depth of 20 feet below grade (ft bg). Penetration to this depth allowed for observation and characterization of fill materials and penetration into native materials. During the investigation, all of the borings were terminated short of 20 feet as significant penetration into native materials had been achieved or refusal on bedrock occurred. Soil and fill types were recorded by AECOM field personnel during the field investigation program. Soil boring logs are included in **Appendix B**.

1.3.1 Geology

Soil borings along the 21 transect (those furthest to the west) encountered peat at depths between 9 and 10 ft bg and all borings were terminated at 15 ft bg because significant penetration in what is assumed to be native materials was achieved. Bedrock was not encountered at any of these boring locations. Fill materials were identified above the peat and these consisted of various materials including fine to coarse sands with brick, black sands with various types of debris, and clay with gravel.

Peat was encountered in soil borings along the 22 transect at depths ranging from 5.5 to 10 ft bg except in boring AF22-SB215 (located at the south of this transect nearest to the gym constructed in 1970). Refusal at 16 ft bg occurred during the performance of AI22-SB205 and this is assumed to be the depth of bedrock. Fill materials encountered above the peat layer were similar to those identified along the 21 transect.

Peat was not encountered in any of the soil borings along the 23 transect. Soil consisted of sandy materials with varying amounts of silt and gravel and no debris was identified in these borings. This may indicate the absence of historical fill materials. Refusal was encountered between 11 and 16.5 ft bg in these borings and this is assumed to be the depth of bedrock.

For the single boring performed along the 24 transect, AF24-SB217, soil consisted of sandy materials with gravel and clay. Peat was not identified in this boring and refusal, assumed to be the depth of bedrock, was at 9 ft bg. No debris was identified in this boring.

From this limited data set it would appear that peat, assumed to have been present within the historical wetland area that was backfilled during construction, is only found along transects 21 and 22. Peat was not encountered in the borings along transects 23 and 24 and debris material, indicative of fill, was not identified in these borings either. Thus, these data may indicate that placement of fill is limited to the western area of the MISA footprint which is consistent with the current Conceptual Site Model.

1.3.2 Hydrogeology

Hydrogeologic characteristics have not been determined for the site. During the performance of the soil borings, water was typically identified in soil at approximately 10 ft bg. The seasonal low groundwater table is assumed to be at this depth or lower.

1.4 Analytical Data Summary

Sixteen borings were performed during the first phase of the investigation program and an additional eight borings were performed during the second phase. During the first phase samples were analyzed for PCBs, metals (RSR 15), PAHs, ETPH, and pesticides as these were the COCs identified in the fill material during limited previous investigation activities at the site. Analytical data are summarized in **Table 1**. The following summarizes analytical results for the selected analytical parameters.

1.4.1 PCBs

During the first phase of the investigation, three or four analytical samples were collected for analysis of PCBs by EPA Methods 3540 and 8082 from each of the sixteen boring locations. One sample was collected from the surface interval below the asphalt paving (0 to 0.5 or 0 to 1 ft bg), one sample was collected within peat or sands without debris which were assumed to be native materials, and one or two samples were collected of the intermediate fill materials. The fill samples were biased toward the areas with the greatest observed impacts (odor, PID readings, presence of debris, and discoloration). PCB data are summarized on **Figure 4**.

Along the 21 transect, all of the surface interval samples were non-detect for PCBs as were the native material samples which were collected from one-foot intervals between 11 and 15 ft bg. Of the remaining ten samples collected from fill materials, PCBs were detected in five samples, collected between 4 and 7 feet below grade, and were non-detect in the remainder. Of the PCB detections, one was much less than 1 mg/kg (0.0323 mg/kg at AG21-SB214 4.5-5.5), three others were between 1 mg/kg and 5 mg/kg total PCBs, and the maximum determined concentration was 18.8 mg/kg at AH21-SB206 4-5 ft bg.

The Synthetic Precipitation Leachate Procedure (SPLP) was performed on the sample from AH21-SB206 4-5 ft bg as this sample represented the maximum PCB concentration determined within soil in the MISA footprint. Data are presented in **Table 1** and indicate that the GA PMC is not exceeded for this sample.

Along the 22 transect, all of the surface interval samples were non-detect for PCBs except for the sample at AJ22 which had a total PCB concentration of 0.0322 mg/kg. The four native material

samples (no native material sample from AH22-SB212) which were collected from one-foot intervals between 8 and 16 ft bg were all non-detect for PCBs. Of the ten samples collected from fill materials, PCBs where detected in five of the samples with a maximum concentration of 0.57 mg/kg.

Along the 23 transect, where fill materials were not observed, all five of the surface interval samples were non-detect for PCBs except for AG23-SB216 where PCBs were detected at a concentration of 0.104 mg/kg. PCBs were not detected in the five native material samples, collected from half- or one-foot intervals between 10.5 and 16 ft bg, except in AI23-SB208 10.5-11 where PCBs were detected at 0.0459 mg/kg. PCBs were detected in only two of the eight intermediate samples collected along this transect with a maximum concentration of 0.0635 mg/kg at AG23-SB216 9-10.

Four samples were collected from AF-24 and PCBs were only detected in one of the intermediate samples at 5 to 6 feet below grade and a concentration of 0.0654 mg/kg.

These data indicate that PCBs at a concentration greater than 1 mg/kg were only detected along the 21 transect and that these detections were limited to between 4 and 7 ft bg. No other samples exceeded 1 mg/kg during the first phase of the investigation. SPLP analysis of the sample with the maximum PCB concentration indicated that PCBs do not exceed the GA PMC.

An additional eight borings were performed during the second phase of the investigation. Four borings were performed ten feet distant of the highest detection of PCBs during the first phase (18.8 mg/kg at boring location AH21 from 4 to 5 ft bg). The remaining four borings were performed 20 feet distant from AH21. Three samples were collected at each boring and analyzed for total PCBs. All of the samples were collected from between 2 and 7 ft bg so as to focus on the depth interval with observed PCB impacts.

Two sample results from this additional round of sampling exceeded 50 mg/kg, AH218-SB219 6-7 (87.2 mg/kg) and AH21D-SB221 4-5 (72.7 mg/kg). Both of these samples were collected 10-feet distant from AH21D. Overall, PCBs were detected in ten of the twelve samples collected 10-feet distant from AH-21, but other than those two samples that exceeded 50 mg/kg, none of the others exceeded 5 mg/kg. Thus, PCB impacts exceeding 50 mg/kg are extremely limited and no other impacts that exceeded 10 mg/kg were identified in these samples.

None of the analytical results from soil samples collected 20-feet distant from AH21 exceeded 50 mg/kg. Overall, PCBs were detected in seven of the twelve sampled collected 20-feet distant from AH21 and only two results exceeded 10 mg/kg, AH21G-SB224 4-5 (10.2 mg/kg) and AH21H-SB225 5-6 (20.6 mg/kg). All of the samples from AH21F-SB223 were non-detect for PCBs. This boring location was performed furthest towards the east and transect 22. This agrees with the data from the first phase of sampling which indicated that PCB impacts >1 mg/kg were limited to along the 21 transect and didn't extend to the east.

1.4.2 Metals

Eighteen samples for analysis of the list of metals in the RSRs were collected from nine of the boring locations. The data are presented in **Table 1** and are summarized on **Figure 5**. Only arsenic and lead were found to exceed any of the applicable remedial criteria from the RSRs. Both lead and arsenic were found to exceed the Residential Direct Exposure Criteria (RDEC). Several metals exceed the GA PMC, however, SPLP analysis of two samples with the highest metals concentrations found that only lead exceeded the GA PMC.

As shown on **Figure 5**, metals exceeding remedial criteria are limited to the 21 transect. Samples collected to the west along transects 22, 23, and 24 exhibit much lower concentrations of metals and none exceed applicable criteria. This data observation corresponds with that made for PCBs.

Lead exceeded the RDEC and GA PMC, as determined by SPLP analysis (see **Table 1**) at AF21-SB202 6.5-7 and AH21-SB206 4-5. At both these locations lead was found at concentrations greater than 1,000 mg/kg.

Arsenic exceeded the RDEC of 10 mg/kg at the same two sample locations. However, SPLP test results indicate that arsenic does not exceed the GA PMC at these locations. Other metals that didn't exceed the RDEC but did exceed the GA PMC were determined to comply with the GA PMC by performing SPLP extraction and then analyzing for metals.

1.4.3 PAHs

Eighteen samples for analysis of PAHs by EPA Method 8270 were collected from nine of the boring locations. The data are presented in **Table 1** and are summarized on **Figure 6**. Only Benzo(a)anthracene, Benzo(a)pyrene, and Benzo(b)fluoranthene were found to exceed any of the applicable remedial criteria from the RSRs, RDEC and GA PMC. SPLP analysis was performed on the two samples with the highest concentrations of PAHs and Benzo(a)anthracene was found to exceed the GA PMC at one of these location.

As shown on **Figure 6**, PAHs exceeding remedial criteria are limited to the 21 transect except for AH23-SB204 2-3. All other samples collected to the west along transects 22, 23, and 24 exhibit much lower concentrations of PAHs and none exceed applicable criteria. This data observation corresponds with that made for PCBs. SPLP analysis of the sample collected from AH23-SB204 2-3 indicate that this sample does exceed the GA PMC for Benzo(a)anthracene.

1.4.4 ETPH

Eight samples for ETPH analysis by the Connecticut (CT) ETPH method were collected from four of the boring locations. The data are presented in **Table 1** and are summarized on **Figure 7**. As shown on **Figure 7**, ETPH exceeding remedial criteria are limited to the 21 transect. Samples collected to the west of this transect do not exceed the RDEC or GA PMC. It should be noted that the 1996 RSR criteria apply to the analysis of TPH by EPA Method 418.1. However, they are used for comparison for the samples analyzed by the CT ETPH Method.

1.4.5 Pesticides

Four samples for analysis of pesticides by EPA Method 8082 were collected from shallow intervals at four of the boring locations located within the MISA footprint. Only methoxychlor was detected but at concentrations less than the RDEC and the GA PMC. Pesticides will not be discussed further in this RAP as they are not considered to be a COC within the MISA footprint.

1.5 PCB Remedial Goals

The remedial goals for PCBs are as follows:

- Remove all soil with total PCB concentrations ≥50 mg/kg and perform verification sampling to confirm that this remedial goal has been achieved;

- Remove all soil with total PCB concentrations >10 mg/kg and perform verification sampling to confirm that this remedial goal has been achieved;
- Render soil exceeding the RDEC inaccessible;
- Remove all soil exceeding the GA PMC for PCBs from within the MISA footprint and perform confirmation sampling;
- Construction of the MISA building will constitute a cap conforming with the requirements of §761.61(a)(7); and
- Required deed restrictions will be filed in accordance with §761.61(a)(8).

Following the performance of remedial excavations, additional soil will be removed during construction. The goals for handling and storage of these additional materials to be removed are:

- Soil with total PCB concentrations >1 mg/kg but <10 mg/kg removed during construction will be handled, stored, and disposed of as PCB Remediation Wastes <50 mg/kg.

Removal of PCB-impacted soil in this manner will conform with the requirements of §761.61(a) and the remedial standard for a high-occupancy area with a surface cap in §761.61(a)(4). Specifically, all soil with total PCB concentrations >10 mg/kg will be removed from the MISA construction footprint prior to construction of the structure which will serve as a cap. Conformance with the RSRs will be achieved because the upper two feet of soil do not contain PCBs at concentrations >1 mg/kg and the building will serve to render any remaining PCB impacts in accessible. The remaining PCB impacts will be <10 mg/kg following the remedial excavation activities. In addition, confirmation samples will be tested to determine compliance with the GA PMC.

1.6 PCB Remediation Description

PCB remediation will be performed in three phases and the proposed areas and depths for excavation activities are shown on **Figure 3**. The first phase will be to remove soil with PCBs ≥50 mg/kg for disposal at a Chemical Waste Landfill. The second phase will be to remove soil with PCBs >10 mg/kg for disposal at a non-hazardous waste landfill with permits allowing the facility to accept PCB Remediation Wastes at these concentrations. The final phase of the remediation will be construction of the MISA structure which will meet the requirements of a cap under §761.61(a)(7) and a deed restriction will be placed on the land records in accordance with §761.61(a)(8).

Figure 8 shows cross-sections within the MISA footprint. Information included on these cross-sections include soil types (fill or native), bedrock (if encountered), PCB analytical data at the depths where they were collected, planned remedial excavations, and subsurface and slab structures that will be installed during MISA construction. During construction of subsurface footings, grade beams, and some of the floor slabs it will be necessary to excavate additional soil. These construction-related excavation activities will only be performed after the initial two phases of PCB remedial excavations have been successfully completed. Soil excavated from between 3 and 8 ft bg during construction activities from the area designated as AOC-5 on **Figure 3** will be handled and stored as PCB Remediation Wastes at concentrations <50 mg/kg.

1.7 Notification and Certification

This remedial plan serves as the Notification for PCB Remediation Activities. After having received written approval from EPA (the Approval) the Owner will notify EPA a minimum of 24 hours in advance before performing this remediation work and it will be performed as described in the

Notification. However, if conditions in the Approval are more stringent than those described within this Notification, the procedures specified in the Approval shall be followed.

Attached in **Appendix C** is written certification, as required under §761.61(a)(3)(E), from the Owner indicating the storage location for all reports detailing sample collection and analysis procedures used to assess or characterize PCBs at the Site, waste handling procedures and disposal information for materials remediated under this notification are available for EPA inspection.

1.8 Other Chemicals of Concern Remedial Goals

All other chemicals of concern will be remediated such that exceedances of the GA PMC are addressed and that exceedances of the RDEC are removed or rendered inaccessible following construction of the MISA.

1.9 Other Chemicals of Concern Remediation Description

Figure 8 shows cross-sections for the MISA footprint. The planned remedial excavations for PCBs, lead, ETPH, and PAHs are shown on these cross-sections.

Lead exceeding the GA PMC has been identified in AOC-2. This exceedence will be excavated as part of the PCB remedial excavation in this area. After completion of excavations at AOC-1 and -2, verification samples will also be collected and analyzed for lead in addition to the samples collected for PCBs. An additional remedial excavation (AOC-3) is planned for lead exceeding the GA PMC as well. Following completion of excavation activities for AOCs-1 and -2 and for AOC-3, verification samples will be collected for lead at a frequency of one for every 500 square feet (SF) of excavation base and one for every 20 linear feet (LF) of sidewall.

TPH exceeding GA PMC will be excavated as part of AOC-3 and from AOC-4. Following the completion of remedial activities in these areas, verification samples will be collected for TPH at a frequency of one for every 500 SF of excavation base and one for every 20 LF of sidewall.

PAHs exceeding the GA PMC will be excavated as part of AOC-6. Following the completion of remedial activities in this area, verification samples will be collected for PAHs at a frequency of one for every 500 SF of excavation base and one for every 20 LF of sidewall.

Following completion of these remedial excavations to address PMC exceedances, RDEC exceedances in remaining soil may still exist. These will be addressed by construction of the MISA building which will render this remaining soil inaccessible.

The upper three feet of soil within the MISA footprint consisted of asphalt subbase (sand and gravel) and sand materials where the only debris identified was concrete or brick. The more heavily impacted fill materials contained more types of debris, including metal, and were usually more discolored than those located at the surface. Thus, all excavations will be performed after asphalt has been stripped from the entire MISA footprint by removing and segregating the upper 3 feet of soil for reuse and then performing excavations to the depths indicated. Soil reuse from the MISA excavations will be limited to onsite only and no soil will be shipped for reuse offsite.

1.10 Public Notice

Public notice will be given prior to the performance of remedial activities described in this remedial action plan. This notice will include publication in a newspaper of substantial circulation in the Town of

Greenwich, notification in writing to the Town of Greenwich Health Department, and by placing a sign, minimum dimensions six feet by four feet, which shall be clearly visible from Hillside Road. Both shall include notification of the intent to perform environmental remediation as part of the MISA construction project and provide contact information for a person responsible for performance of the work.

1.11 Groundwater Monitoring

Groundwater monitoring is necessary to evaluate the effectiveness of the remediation activities in preventing groundwater impacts. A groundwater monitoring program will be performed in accordance with the RSR requirements and will include a long-term monitoring program to include collection and analysis of groundwater samples from upgradient and downgradient locations. A groundwater monitoring plan will be prepared at a later date to address both this specific area and the overall GHS site.

1.12 Environmental Land Use Restrictions

An ELUR will be recorded on the property deed at a later date following the completion of remedial activities for the whole site. The ELUR will restrict site activities and use to comply with the requirements of the RSRs and 40 CFR Part 761.

1.13 Investigation and Remediation Schedule

Investigations are currently being performed at the site to evaluate impacts to environmental media including soil, sediments, surface water and groundwater. Schedules for remedial efforts will be developed following the completion of investigation activities.

2.0 Planned Remediation Procedures

Remediation is planned for PCB Remediation Wastes identified at the site and for other soil impacts regulated under the RSRs. The following is a discussion of the remedial procedures to be employed for each of the materials.

2.1 Soil Excavations

PCB-impacted soils are being remediated under the self-implementing procedures as specified under §761.61(a). Characterization sampling that was performed indicated that PCB concentrations were generally less than 10 mg/kg and that areas with PCBs ≥50 mg/kg are limited and have been delineated horizontally and vertically. The remedial excavation will be performed for AOC-1 first and the excavation for AOC-2 will only be performed after remedial goals for AOC-1 have been achieved (total PCBs <50 mg/kg).

The proposed PCB soil excavations will be performed to the limits and depths as indicated on Figures 3 and 8. The upper three feet of soil will be removed and segregated and stockpiled for reuse (onsite only). The excavations will then be performed to the depths indicated. Any soil excavated from outside the horizontal limits of the excavation to ensure slope stability will not be segregated and will be handled and disposed with the other soil from the excavation as described in Section 2.1.2.

Verification sampling will be performed as described in Section 2.1.1 after the horizontal and vertical extents of the proposed remedial excavations have been achieved. If any verification sample result is ≥50 mg/kg for AOC-1 or >10 mg/kg for AOC-2 the excavation will be continued and additional verification samples will be collected. Excavation will only be considered complete after all verification sample results have achieved the remedial goals for each AOC. Additional verification samples will be collected for lead following the completion of the remedial excavation for AOC-1 and AOC-2.

2.1.1 Verification Sampling Procedures

For the soil excavations with PCBs ≥50 mg/kg (AOC-1) and PCBs >10 mg/kg (AOC-2), the verification sampling procedures to be employed are as follows:

- A square-based grid will be overlaid on the entire area to be sampled. The grid axes will be oriented on a magnetic north-south line centered in the area and an east-west axis perpendicular to the magnetic north-south axis also centered in the area.
- Sampling points will be marked out 1.5 meters (approximately 5 feet) apart oriented to the grid axes in every direction to the extent sufficient to result in a two-dimensional grid completely overlaying the sampling area.
- A sample will be collected at every sample point that falls within the remediation area. A sample will be collected of surficial soil (0” to 3” bgs) at each sampling point.
- If any confirmation sample results are greater than the applicable remedial goal (PCBs ≥50 mg/kg for AOC-1 and PCBs >10 mg/kg for AOC-2) additional excavation will be performed. A sampling grid shall be established for the newly-excavated area as previously described.

- If any remediation area is small enough such that three sampling points will not fall within the area based upon a 1.5 meter grid system, the grid shall be established as described above but a smaller grid interval shall be employed such that a minimum of three samples will be collected.
- If, during the performance of verification sampling for AOC-2, PCBs ≥50 mg/kg are identified, soil excavated from that area of AOC-2 will be disposed of as PCB Remediation Waste ≥50 and additional excavation will be performed as to the procedures for AOC-1 until all soil ≥50 mg/kg has been verified as removed.

Sampling for lead will be done following the completion of remedial excavations AOC-2 and -3. Verification samples will be collected at a frequency of one per every 500 SF of excavation base and per every 20 LF of sidewall.

Sampling for ETPH will be performed following the completion of remedial excavation AOC-3 and AOC-4. Verification samples will be collected at the same frequency as specified for lead.

Verification samples for PCBs will also be collected at the same frequency as those proposed for lead and EPTH in excavations AOC-3 and -4 so as the concentrations of PCBs disposed at these locations beneath the MISA footprint may be documented on the land records.

Verification samples for PAHs will be collected at a frequency of one per every 500 SF of excavation base and per every 20 LF of sidewall in excavation AOC-6. No other COCs will be tested for within this excavation area.

No verification sampling will be performed for construction related excavations within AOC-5.

2.1.2 Waste Handling, Storage and Disposal

Wastes classified as PCB Remediation wastes will be handled, stored, and disposed as described below. All personal protective equipment (PPE) used during remediation shall be containerized with the PCB wastes with which they were generated for disposal. PPE used during decontamination or equipment, tools, and machinery, as described in Section 2.1.3, shall also be containerized with PCB wastes for disposal.

All wastes generated during remedial excavations associated with AOCs-1 and -2 will be placed directly into a lined storage container. Any spills or releases of PCB-contaminated materials will be remediated by the Remediation Contractor as per the requirements of 40 CFR 761 Subpart G. Upon first use of a storage container, a M_L mark shall be placed on the container and the date of storage will be recorded on the container by the field inspector. All waste storage containers shall be removed from the site within 30 days of their first use.

Wastes from AOC-1 will be segregated from those generated from AOC-2. Wastes from AOC-1 will be transported to a Chemical Waste Landfill disposal, either the Waste Management Model City Facility or the EQ Wayne Landfill, and it is anticipated that approximately180 tons of wastes will be transported for disposal at these facilities.

Wastes from AOC-2 will be transported to a non-hazardous waste landfill permitted to accept PCB Remediation Waste, either the Waste Management Turnkey Facility or the Seneca Meadows Landfill. It is anticipated that approximately 60 tons of wastes will be transported for disposal at these facilities.

Additional excavations containing PCB Remediation Wastes include AOC-3, AOC-4, and AOC-5. Wastes from these excavations will be transported to a non-hazardous waste landfill permitted to accept PCB Remediation Waste, either the Waste Management Turnkey Facility or the Seneca Meadows Landfill. It is anticipated that approximately 410 tons of wastes will be generated from these AOCs for transport to these facilities.

A waste storage area shall be created for the storage of the waste containers prior to their transport offsite. The waste storage area will be surrounded by temporary fencing and the fence shall have an M_L mark indicating the presence of PCB Wastes. All lined storage containers not actively in use shall be staged within the waste storage area and covered with a tarp to prevent storm water from entering the container.

Soil excavated from AOC-6 during construction will be stockpiled onsite and transported for disposal at a facility permitted to accept material with soil at these concentrations. It is anticipated that these materials will be reused as cover at municipal waste solid landfills in Massachusetts but other acceptable disposal options may be available.

2.1.3 Equipment Decontamination

Non-porous surfaces on equipment, tools, and machinery that contact PCB wastes will be decontaminated prior to leaving the site or being used in the handling of clean materials. Decontamination will be done using the procedures as defined in §761.79(c)(2). Specifically, equipment, tools and machinery that are visually clean will be swabbed with solvent solution containing d-limonene. Grimy non-porous surfaces will be decontaminated following the double wash/rinse procedures specified in §761.375.

All equipment will be decontaminated after excavation activities associated with AOC-1. All equipment will also be decontaminated after excavation activities associated with AOCs-2, -3, -4, and -5 prior to performing work within “clean” areas or AOC-6. However, equipment will not be decontaminated between excavation work within the PCB impacted AOCs -2, -3, -4, and -5.

Decontamination liquids will be drummed and tested for appropriate disposal. All aqueous liquids containing 0.5 µg/L or greater total PCBs shall be shipped for treatment to an appropriately permitted facility, either the Clean Harbors facility in Bristol, CT or the United Oil facility in Bridgeport, CT. In the event that determined PCB concentrations in the decontamination liquids exceed the permit levels for these facilities, the aqueous wastes will be shipped to an appropriate disposal facility such as the Veolia Incinerator in Port Arthur, Texas. Decontamination solids (e.g., rags, brushes) will be containerized with the PCB wastes for disposal.

2.1.4 Air Monitoring

Air monitoring will be performed to be protective of both site workers, other site users, and the surrounding community. Exposure limits established by the Occupational Safety and Health Administration (OSHA) will be used to protect site workers, specifically, the Permissible Exposure Limit (PEL). PELs were evaluated for lead and PCBs and it was determined that the PEL for lead would be the driver for determining exposure limits as lead is present in higher concentrations within soil and has significantly lower PELs.

Suspended solids will be used as a surrogate for lead as there are no means to measure ambient lead levels in real time and all airborne lead will be associated with dust generated during excavation activities. The 8-hour average PEL for lead in the OSHA standards is 30 $\mu g/m^3$ and the maximum

determined concentration for lead in soils is 1,830 mg/kg. Using the maximum lead concentration determined as the level for lead in dust generated during excavation, the 8-hour average for dust in the air will be maintained at less than 16.4 mg suspended solids/m^3 in order to be protective of workers.

The National Ambient Air Quality Standard (NAAQS) for lead is 0.15 µg/m^3 on a rolling three-month average. Monitoring data for lead specific to the Town of Greenwich is not available but data collected by the CT DEEP would indicate that the state is in attainment of this standard and that expected values for lead in ambient air would be orders of magnitude below the NAAQS. Air monitoring at the perimeter of the work area during the performance of excavation activities will be done in the following manner:

- Background levels for particulate matter less than 10 microns in respirable diameter (PM_{10}) will be determined prior to construction. PM_{10} will be used as the suspended solid surrogate for lead monitoring at the perimeter.
- It is anticipated that background levels of PM_{10} will vary throughout the day given the use of the Site. Specifically, at the beginning and end of each school day there is a large amount of bus and vehicular traffic on the property that would lead to increases in PM_{10} concentrations. Thus, determined background concentrations may vary as to the time of day.
- Using the maximum concentration of lead determined in soil (1,830 mg/kg), an increase in PM_{10} concentration of 0.082 µg/m^3 would be equivalent to the three-month average NAAQS for lead.
- A measurement of this level would not indicate an immediate hazard to site users or the surrounding community. However, this increase over background will be used as the action level. When this action level is triggered the Contractor shall make efforts to determine the potential source of the increase over background and employ controls if the source is determined to be from construction related activities.

3.0 Remediation Documentation

Documentation of the field remediation activities will be performed on a daily basis by the environmental contractor and a field inspector during the performance of the remedial measures. The field inspector will be responsible for completing the documentation described below. A Remedial Action Report (RAR) will be completed after the conclusion of the removal and abatement program. The RAR will summarize the remedial activities.

3.1 Field Notes

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

- Health and safety meetings
- Personnel and equipment on site
- Field procedures and observations
- Excavation progress
- Sample locations with selection criteria, samples collected, analyses performed, sample handling
- Telephone or other instructions
- Health and Safety issues
- Health and Safety monitoring data including dust monitoring
- Estimate of wastes generated and stored and waste handling and storage procedures
- Waste transporter information

3.2 Photographs

Daily photographs will be taken of representative activities, such as excavation, decontamination, sampling, and waste handling and storage. Copies of selected photographs with appropriate captions will be included in the RAR.

3.3 Transport and Treatment/Disposal Certifications

Manifests and/or Bills of Lading for the transportation, treatment and disposal of waste materials and certifications of the disposal of the wastes, if necessary, will be obtained from the transporter and from the treatment/disposal facility. Copies of these forms will be included in the RAR and records will be maintained in accordance with the requirements as specified in 40 CFR 761 Subpart K (PCB Waste Disposal Records and Reports).

3.4 Remedial Action Report

The Remedial Action Report (RAR) will be prepared upon completion of all remedial activities. The RAR will include, at a minimum, the following.

- Site description
- A description of field procedures
- Verification sample locations and analytical results
- A photographic record of the excavation activities
- Dust monitoring data
- Waste transport and disposal information including tonnage sent to each facility
- Copies of waste manifests, bills of lading, and certificates of disposal

Any additional information required under the EPA Approval shall also be incorporated into the RAR.

Tables

AECOM

Table 1
Soil Analytical Data
MISA Soil Remedial Action Plan
Greenwich, CT

Location ID Sample Date Sample ID Depth Interval	GA-PMC	RES DEC	I/C DEC	AF21-SB202 10/2/2011 AF21-SB202(0-0.5)-1 0-0.5	AF21-SB202 10/2/2011 AF21-SB202(3.0-3.5)-1 3-3.5	AF21-SB202 10/2/2011 AF21-SB202(6.5-7.0)-1 6.5-7	AF21-SB202 10/2/2011 AF21-SB202(9-9.5)-1 9-9.5	AF21-SB202 10/2/2011 AF21-SB202(12-13)-1 12-13	AF22-SB215 10/9/2011 AF-22-SB215(0-0.5) 0-0.5	AF22-SB215 10/9/2011 AF-22-SB215(1-3) 1-3	AF22-SB215 10/9/2011 AF-22-SB215(1-3) DUP 1-3	AF22-SB215 10/9/2011 AF-22-SB215(5-6) 5-6	AF22-SB215 10/9/2011 AF-22-SB215(8-9) 8-9	AF23-SB203 10/2/2011 AF23-SB203(0-1)-1 0-1	AF23-SB203 10/2/2011 AF23-SB203(8-9)-1 8-9	AF23-SB203 10/2/2011 AF23-SB203(11.5-12)-1 11.5-12	AF24-SB217 10/9/2011 AF-24-SB217(0-0.5) 0-0.5	AF24-SB217 10/9/2011 AF-24-SB217(0-1) 0-1	AF24-SB217 10/9/2011 AF-24-SB217(0-4) 0-4
CT-ETPH (mg/Kg)																			
C9-C36 Aliphatic Hydrocarbons	NE	NE	NE	NS	**42.1**	**715**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Extractable Total Petroleum Hydrocarbons	*500*	*500*	*2500*	NS	**42.1**	**715**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Unidentified	NE	NE	NE	NS	**42.1**	**715**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAH (ug/Kg)																			
Chrysene	*1000*	*84000*	*780000*	NS	<364	**888**	NS	NS	NS	NS	NS	NS	NS	<393	<179	NS	NS	NS	NS
Anthracene	40000	1000000	2500000	NS	<364	<767	NS	NS	NS	NS	NS	NS	NS	<393	<179	NS	NS	NS	NS
Benzo(a)anthracene	1000	1000	7800	NS	<364	**1020**	NS	NS	NS	NS	NS	NS	NS	<393	<179	NS	NS	NS	NS
Benzo(a)pyrene	1000	1000	1000	NS	<364	**915**	NS	NS	NS	NS	NS	NS	NS	<393	<179	NS	NS	NS	NS
Benzo(b)fluoranthene	1000	1000	7800	NS	<364	**848**	NS	NS	NS	NS	NS	NS	NS	<393	<179	NS	NS	NS	NS
Benzo(k)fluoranthene	1000	8400	78000	NS	<364	<767	NS	NS	NS	NS	NS	NS	NS	<393	<179	NS	NS	NS	NS
Fluoranthene	5600	1000000	2500000	NS	<364	**2090**	NS	NS	NS	NS	NS	NS	NS	<393	<179	NS	NS	NS	NS
Fluorene	5600	1000000	2500000	NS	<364	<767	NS	NS	NS	NS	NS	NS	NS	<393	<179	NS	NS	NS	NS
Naphthalene	5600	1000000	2500000	NS	<364	<767	NS	NS	NS	NS	NS	NS	NS	<393	<179	NS	NS	NS	NS
Phenanthrene	4000	1000000	2500000	NS	<364	**1230**	NS	NS	NS	NS	NS	NS	NS	<393	<179	NS	NS	NS	NS
Pyrene	4000	1000000	2500000	NS	<364	**1540**	NS	NS	NS	NS	NS	NS	NS	<393	<179	NS	NS	NS	NS
PAH-SPLP (ug/L)*																			
Chrysene	*4.8*	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1-Methylnaphthalene	NE	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	*49*	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	420	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	2000	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)Anthracene	0.06	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	200	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	200	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
**Metals (mg/Kg) ** **																			
Antimony	0.12	27	8200	NS	<5.33	<108	NS	NS	NS	NS	NS	NS	NS	**16.9**	<5.12	NS	NS	NS	<5.14
Arsenic	0.2	10	10	NS	**4.79**	**18.7**	NS	NS	NS	NS	NS	NS	NS	**4.88**	<1.53	NS	NS	NS	**5.25**
Barium	20	4700	140000	NS	**117**	**547**	NS	NS	NS	NS	NS	NS	NS	**60.4**	**105**	NS	NS	NS	**137**
Beryllium	0.08	2	2	NS	<0.533	<0.539	NS	NS	NS	NS	NS	NS	NS	<0.507	**0.844**	NS	NS	NS	**0.685**
Cadmium	0.1	34	1000	NS	<0.533	**4.29**	NS	NS	NS	NS	NS	NS	NS	<0.507	<0.512	NS	NS	NS	<0.514
Chromium (Total)***	1	100	100	NS	**26.7**	**54.8**	NS	NS	NS	NS	NS	NS	NS	**20.6**	**20.5**	NS	NS	NS	**32**
Copper	26	2500	76000	NS	**18.5**	**281**	NS	NS	NS	NS	NS	NS	NS	**21.9**	**11.6**	NS	NS	NS	**13.5**
Lead	0.3	*400*	1000	NS	**61**	**1830**	NS	NS	NS	NS	NS	NS	NS	**47.4**	**6.32**	NS	NS	NS	**18.4**
Mercury	0.04	20	610	NS	**0.0572**	**0.394**	NS	NS	NS	NS	NS	NS	NS	**0.0752**	<0.0303	NS	NS	NS	<0.0323
Nickel	2	1400	7500	NS	**19.8**	**72.4**	NS	NS	NS	NS	NS	NS	NS	**13.2**	**13**	NS	NS	NS	**16.6**
Selenium	1	340	10000	NS	<1.60	**2.55**	NS	NS	NS	NS	NS	NS	NS	<1.52	<1.53	NS	NS	NS	<2.26
Silver	0.72	340	10000	NS	<1.60	<1.62	NS	NS	NS	NS	NS	NS	NS	<1.52	<1.53	NS	NS	NS	<1.54
Vanadium	1	470	14000	NS	**25.8**	**82.6**	NS	NS	NS	NS	NS	NS	NS	**23.7**	**22.6**	NS	NS	NS	**28.6**
Zinc	100	20000	610000	NS	**82**	**2500**	NS	NS	NS	NS	NS	NS	NS	**65.6**	**31.4**	NS	NS	NS	**49.4**
Metals-SPLP (mg/L)																			
Arsenic	0.01	NA	NA	NS	NS	<0.0080	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	1	NA	NA	NS	NS	**0.214**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	0.004	NA	NA	NS	NS	<0.0040	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	0.005	NA	NA	NS	NS	<0.0050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium (Total)	0.05	NA	NA	NS	NS	<0.0100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	1.3	NA	NA	NS	NS	**0.0239**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	0.015	NA	NA	NS	NS	**0.0455**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.002	NA	NA	NS	NS	<0.00020	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	0.1	NA	NA	NS	NS	<0.0100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	0.05	NA	NA	NS	NS	<0.0300	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	0.036	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	0.05	NA	NA	NS	NS	<0.0100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	5	NA	NA	NS	NS	**0.0489**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides (ug/Kg)																			
Methoxychlor	800	340000	10000000	<8.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<8.75	NS
**PCBs (ug/Kg) ** **																			
Aroclor 1248	NA	NE	NE	<10.8	NS	**4030**	<28.9	<86.5	<20.2	**570**	**492**	<22.6	<28.8	<22.9	<21.6	<20.6	<20.8	NS	NS
Aroclor 1260	NA	NE	NE	<10.8	NS	**155**	<28.9	<86.5	<20.2	<21.6	<21.7	<22.6	<28.8	<22.9	<21.6	<20.6	<20.8	NS	NS
Total PCBs	10	1000	10000	BRL	NS	**4185**	BRL	BRL	BRL	**570**	**492**	BRL	BRL	BRL	BRL	BRL	BRL	NA	NS
PCBs-SPLP (ug/L)																			
Aroclor 1248	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1260	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PCBs	0.5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

AECOM

Table 1
Soil Analytical Data
MISA Soil Remedial Action Plan
Greenwich, CT

Location ID Sample Date Sample ID Depth Interval	GA-PMC	RES DEC	I/C DEC	AF24-SB217 10/9/2011 AF-24-SB217(4-5) 4-5	AF24-SB217 10/9/2011 AF-24-SB217(5-6) 5-6	AF24-SB217 10/9/2011 AF-24-SB217(5-9) 5-9	AF24-SB217 10/9/2011 AF-24-SB217(8-9) 8-9	AG21-SB214 10/9/2011 AG-21-SB214(0-0.5) 0-0.5	AG21-SB214 10/9/2011 AG-21-SB214(4.5-5.5) 4.5-5.5	AG21-SB214 10/9/2011 AG-21-SB214(8.0-8.5) 8-8.5	AG21-SB214 10/9/2011 AG-21-SB214(13-14) 13-14	AG22-SB213 10/9/2011 AG-22-SB213(0-0.5) 0-0.5	AG22-SB213 10/9/2011 AG-22-SB213(0-4) 0-4	AG22-SB213 10/9/2011 AG-22-SB213(0-4) DUP 0-4	AG22-SB213 10/9/2011 AG-22-SB213(2-2.5) 2-2.5	AG22-SB213 10/9/2011 AG-22-SB213(5-9) 5-9	AG22-SB213 10/9/2011 AG-22-SB213(6-7) 6-7	AG22-SB213 10/9/2011 AG-22-SB213(10-15) 10-15	AG23-SB216 10/9/2011 AG-23-SB216(0-0.5) 0-0.5
CT-ETPH (mg/Kg)																			
C9-C36 Aliphatic Hydrocarbons	NE	NE	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Extractable Total Petroleum Hydrocarbons	*500*	*500*	*2500*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Unidentified	NE	NE	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAH (ug/Kg)																			
Chrysene	*1000*	*84000*	*780000*	<181	<175	NS	NS	NS	NS	NS	NS	NS	NS	NS	<183	NS	<241	NS	NS
Anthracene	40000	1000000	2500000	<181	<175	NS	NS	NS	NS	NS	NS	NS	NS	NS	<183	NS	<241	NS	NS
Benzo(a)anthracene	1000	1000	7800	<181	<175	NS	NS	NS	NS	NS	NS	NS	NS	NS	<183	NS	<241	NS	NS
Benzo(a)pyrene	1000	1000	1000	<181	<175	NS	NS	NS	NS	NS	NS	NS	NS	NS	<183	NS	<241	NS	NS
Benzo(b)fluoranthene	1000	1000	7800	<181	<175	NS	NS	NS	NS	NS	NS	NS	NS	NS	<183	NS	<241	NS	NS
Benzo(k)fluoranthene	1000	8400	78000	<181	<175	NS	NS	NS	NS	NS	NS	NS	NS	NS	<183	NS	<241	NS	NS
Fluoranthene	5600	1000000	2500000	<181	<175	NS	NS	NS	NS	NS	NS	NS	NS	NS	**245**	NS	<241	NS	NS
Fluorene	5600	1000000	2500000	<181	<175	NS	NS	NS	NS	NS	NS	NS	NS	NS	<183	NS	<241	NS	NS
Naphthalene	5600	1000000	2500000	<181	<175	NS	NS	NS	NS	NS	NS	NS	NS	NS	<183	NS	<241	NS	NS
Phenanthrene	4000	1000000	2500000	<181	<175	NS	NS	NS	NS	NS	NS	NS	NS	NS	<183	NS	<241	NS	NS
Pyrene	4000	1000000	2500000	<181	<175	NS	NS	NS	NS	NS	NS	NS	NS	NS	**329**	NS	<241	NS	NS
PAH-SPLP (ug/L)*																			
Chrysene	*4.8*	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1-Methylnaphthalene	NE	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	*49*	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	420	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	2000	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)Anthracene	0.06	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	200	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	200	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
**Metals (mg/Kg) ** **																			
Antimony	0.12	27	8200	NS	NS	<4.64	NS	NS	NS	NS	NS	NS	<5.46	<5.24	NS	<5.84	NS	NS	NS
Arsenic	0.2	10	10	NS	NS	**3.86**	NS	NS	NS	NS	NS	NS	**4.87**	**4.71**	NS	**2.94**	NS	NS	NS
Barium	20	4700	140000	NS	NS	**86**	NS	NS	NS	NS	NS	NS	**88.1**	**91.5**	NS	**121**	NS	NS	NS
Beryllium	0.08	2	2	NS	NS	**0.608**	NS	NS	NS	NS	NS	NS	<0.546	**0.533**	NS	**0.65**	NS	NS	NS
Cadmium	0.1	34	1000	NS	NS	<0.464	NS	NS	NS	NS	NS	NS	<0.546	<0.524	NS	<0.584	NS	NS	NS
Chromium (Total)***	1	100	100	NS	NS	**20.5**	NS	NS	NS	NS	NS	NS	**20.1**	**21.5**	NS	**21.3**	NS	NS	NS
Copper	26	2500	76000	NS	NS	**11.9**	NS	NS	NS	NS	NS	NS	**21.4**	**16.7**	NS	**11.8**	NS	NS	NS
Lead	0.3	*400*	1000	NS	NS	**7.1**	NS	NS	NS	NS	NS	NS	**51.4**	**37.3**	NS	**17**	NS	NS	NS
Mercury	0.04	20	610	NS	NS	<0.0293	NS	NS	NS	NS	NS	NS	**0.0533**	**0.0419**	NS	**0.0525**	NS	NS	NS
Nickel	2	1400	7500	NS	NS	**10.8**	NS	NS	NS	NS	NS	NS	**13.8**	**20.2**	NS	**14.2**	NS	NS	NS
Selenium	1	340	10000	NS	NS	<1.39	NS	NS	NS	NS	NS	NS	<1.64	<1.57	NS	<1.75	NS	NS	NS
Silver	0.72	340	10000	NS	NS	<1.39	NS	NS	NS	NS	NS	NS	<1.64	<1.57	NS	<1.75	NS	NS	NS
Vanadium	1	470	14000	NS	NS	**18.3**	NS	NS	NS	NS	NS	NS	**21.9**	**20.7**	NS	**25.1**	NS	NS	NS
Zinc	100	20000	610000	NS	NS	**30.2**	NS	NS	NS	NS	NS	NS	**63.6**	**55.3**	NS	**32.4**	NS	NS	NS
Metals-SPLP (mg/L)																			
Arsenic	0.01	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	0.004	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	0.005	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium (Total)	0.05	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	1.3	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	0.015	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.002	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	0.1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	0.05	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	0.036	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	0.05	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides (ug/Kg)																			
Methoxychlor	800	340000	10000000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
**PCBs (ug/Kg) ** **																			
Aroclor 1248	NA	NE	NE	<20.3	<20.1	NS	<21.8	<21.6	<21.7	<19.7	<66.8	<20.4	NS	NS	<21.2	NS	<28.0	<27.0	<20.4
Aroclor 1260	NA	NE	NE	<20.3	**65.4**	NS	<21.8	<21.6	**37.9**	<19.7	<66.8	<20.4	NS	NS	<21.2	NS	<28.0	<27.0	**112**
Total PCBs	10	1000	10000	BRL	**65.4**	NS	BRL	BRL	**37.9**	BRL	BRL	BRL	NS	NS	BRL	NS	BRL	BRL	**112**
PCBs-SPLP (ug/L)																			
Aroclor 1248	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1260	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PCBs	0.5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

AECOM

Table 1
Soil Analytical Data
MISA Soil Remedial Action Plan
Greenwich, CT

Location ID Sample Date Sample ID Depth Interval	GA-PMC	RES DEC	I/C DEC	AG23-SB216 10/9/2011 AG-23-SB216(3-4) 3-4	AG23-SB216 10/9/2011 AG-23-SB216(9-10) 9-10	AG23-SB216 10/9/2011 AG-23-SB216(14-15) 14-15	AH21A-SB218 11/13/2011 AH21A-SB218(1-2)-1 1-2	AH21A-SB218 11/13/2011 AH21A-SB218(4-5)-1 4-5	AH21A-SB218 11/13/2011 AH21A-SB218(5.5-6.5)-1 5.5-6.5	AH21B-SB219 11/13/2011 AH21B-SB219(2-3)-1 2-3	AH21B-SB219 11/13/2011 AH21B-SB219(4-5)-1 4-5	AH21B-SB219 11/13/2011 AH21B-SB219(6-7)-1 6-7	AH21B-SB219 11/13/2011 AH21B-SB219(6-7)-2 6-7	AH21C-SB220 11/13/2011 AH21C-SB220(2-3)-1 2-3	AH21C-SB220 11/13/2011 AH21C-SB220(4-5)-1 4-5	AH21C-SB220 11/13/2011 AH21C-SB220(5-6)-1 5-6	AH21D-SB221 11/13/2011 AH21D-SB221(2-3)-1 2-3	AH21D-SB221 11/13/2011 AH21D-SB221(4-5)-1 4-5	AH21D-SB221 11/13/2011 AH21D-SB221(5-6)-1 5-6
CT-ETPH (mg/Kg)																			
C9-C36 Aliphatic Hydrocarbons	NE	NE	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Extractable Total Petroleum Hydrocarbons	*500*	*500*	*2500*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Unidentified	NE	NE	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAH (ug/Kg)																			
Chrysene	*1000*	*84000*	*780000*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	40000	1000000	2500000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	1000	1000	7800	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	1000	1000	1000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	1000	1000	7800	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	1000	8400	78000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	5600	1000000	2500000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	5600	1000000	2500000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	5600	1000000	2500000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	4000	1000000	2500000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	4000	1000000	2500000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAH-SPLP (ug/L)*																			
Chrysene	*4.8*	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1-Methylnaphthalene	NE	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	*49*	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	420	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	2000	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)Anthracene	0.06	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	200	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	200	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
**Metals (mg/Kg) ** **																			
Antimony	0.12	27	8200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	0.2	10	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	20	4700	140000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	0.08	2	2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	0.1	34	1000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium (Total)***	1	100	100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	26	2500	76000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	0.3	*400*	1000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.04	20	610	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	2	1400	7500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	1	340	10000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	0.72	340	10000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	1	470	14000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	100	20000	610000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals-SPLP (mg/L)																			
Arsenic	0.01	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	0.004	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	0.005	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium (Total)	0.05	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	1.3	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	0.015	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.002	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	0.1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	0.05	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	0.036	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	0.05	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides (ug/Kg)																			
Methoxychlor	800	340000	10000000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
**PCBs (ug/Kg) ** **																			
Aroclor 1248	NA	NE	NE	<24.5	<21.2	<21.8	<14.7	**389**	**4030**	<29.4	**231**	**85800**	**77600**	**227**	**1310**	**2240**	<29.7	**72700**	**166**
Aroclor 1260	NA	NE	NE	**37.7**	**71.2**	<21.8	**15.5**	**21.1**	**49.7**	<29.4	**48**	**1360**	**846**	<14.5	**505**	**97.1**	<29.7	<2260	<14.2
Total PCBs	10	1000	10000	**37.7**	**71.2**	BRL	**15.5**	**410.1**	**4079.7**	BRL	**279**	**87160**	**78446**	**227**	**1815**	**2337.1**	BRL	**72700**	**166**
PCBs-SPLP (ug/L)																			
Aroclor 1248	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1260	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PCBs	0.5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

AECOM

Table 1
Soil Analytical Data
MISA Soil Remedial Action Plan
Greenwich, CT

Location ID Sample Date Sample ID Depth Interval	GA-PMC	RES DEC	I/C DEC	AH21E-SB222 11/13/2011 AH21E-SB222(2-3)-1 2-3	AH21E-SB222 11/13/2011 AH21E-SB222(4-5)-1 4-5	AH21E-SB222 11/13/2011 AH21E-SB222(5-6)-1 5-6	AH21F-SB223 11/13/2011 AH21F-SB223(3-4)-1 3-4	AH21F-SB223 11/13/2011 AH21F-SB223(4-5)-1 4-5	AH21F-SB223 11/13/2011 AH21F-SB223(5-6)-1 5-6	AH21G-SB224 11/13/2011 AH21G-SB224(2-3)-1 2-3	AH21G-SB224 11/13/2011 AH21G-SB224(4-5)-1 4-5	AH21G-SB224 11/13/2011 AH21G-SB224(6-7)-1 6-7	AH21H-SB225 11/13/2011 AH21H-SB225(3-4)-1 3-4	AH21H-SB225 11/13/2011 AH21H-SB225(4-5)-1 4-5	AH21H-SB225 11/13/2011 AH21H-SB225(5-6)-1 5-6	AH21H-SB225 11/13/2011 AH21H-SB225(5-6)-2 5-6	AH21-SB206 10/2/2011 AH21-SB206(0-0.5)-1 0-0.5	AH21-SB206 10/2/2011 AH21-SB206(0-0.5)-2 0-0.5	AH21-SB206 10/2/2011 AH21-SB206(4-5)-1 4-5
CT-ETPH (mg/Kg)																			
C9-C36 Aliphatic Hydrocarbons	NE	NE	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Extractable Total Petroleum Hydrocarbons	*500*	*500*	*2500*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Unidentified	NE	NE	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAH (ug/Kg)																			
Chrysene	*1000*	*84000*	*780000*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**4800**
Anthracene	40000	1000000	2500000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**3290**
Benzo(a)anthracene	1000	1000	7800	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**5010**
Benzo(a)pyrene	1000	1000	1000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**3590**
Benzo(b)fluoranthene	1000	1000	7800	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**3240**
Benzo(k)fluoranthene	1000	8400	78000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**3700**
Fluoranthene	5600	1000000	2500000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**8440**
Fluorene	5600	1000000	2500000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**2420**
Naphthalene	5600	1000000	2500000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**4440**
Phenanthrene	4000	1000000	2500000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**10800**
Pyrene	4000	1000000	2500000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**7760**
PAH-SPLP (ug/L)*																			
Chrysene	*4.8*	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.05
1-Methylnaphthalene	NE	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**1.29**
2-Methylnaphthalene	*49*	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**1.2**
Acenaphthene	420	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**2.5**
Anthracene	2000	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.05
Benzo(a)Anthracene	0.06	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.0526
Benzo(k)fluoranthene	0.5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.105
Fluoranthene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.05
Fluorene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**2.02**
Naphthalene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**7.67**
Phenanthrene	200	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**3.38**
Pyrene	200	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.05
**Metals (mg/Kg) ** **																			
Antimony	0.12	27	8200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<5.52
Arsenic	0.2	10	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**11.9**
Barium	20	4700	140000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**577**
Beryllium	0.08	2	2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.552
Cadmium	0.1	34	1000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**5.79**
Chromium (Total)***	1	100	100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**71**
Copper	26	2500	76000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**312**
Lead	0.3	*400*	1000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**1480**
Mercury	0.04	20	610	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**1.19**
Nickel	2	1400	7500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**52.6**
Selenium	1	340	10000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2.21
Silver	0.72	340	10000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**2.49**
Vanadium	1	470	14000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**58.3**
Zinc	100	20000	610000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**1430**
Metals-SPLP (mg/L)																			
Arsenic	0.01	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.0080
Barium	1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**0.251**
Beryllium	0.004	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	0.005	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.0050
Chromium (Total)	0.05	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.0100
Copper	1.3	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**0.0145**
Lead	0.015	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**0.0712**
Mercury	0.002	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.00020
Nickel	0.1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.0100
Selenium	0.05	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	0.036	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.0100
Vanadium	0.05	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.0100
Zinc	5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**0.0789**
Pesticides (ug/Kg)																			
Methoxychlor	800	340000	10000000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**30.5**	**13.7**	NS
**PCBs (ug/Kg) ** **																			
Aroclor 1248	NA	NE	NE	**779**	**1900**	<22.3	<44.1	<20.1	<21.6	**722**	**9890**	<21.2	<20.8	**333**	**7500**	**20300**	<10.9	<10.9	**18400**
Aroclor 1260	NA	NE	NE	**70.8**	**52.2**	<22.3	<44.1	<20.1	<21.6	**29.2**	**273**	<21.2	<20.8	<21.0	**149**	**291**	<10.9	<10.9	**354**
Total PCBs	10	1000	10000	**849.8**	**1952.2**	BRL	BRL	BRL	BRL	**751.2**	**10163**	BRL	BRL	**333**	**7649**	**20591**	BRL	BRL	**18754**
PCBs-SPLP (ug/L)																			
Aroclor 1248	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**0.29**
Aroclor 1260	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.200
Total PCBs	0.5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**0.29**

Table 1
Soil Analytical Data
MISA Soil Remedial Action Plan
Greenwich, CT

Location ID Sample Date Sample ID Depth Interval	GA-PMC	RES DEC	I/C DEC	AH21-SB206 10/2/2011 AH21-SB206(8-9)-1 8-9	AH21-SB206 10/2/2011 AH21-SB206(8-9)-2 8-9	AH21-SB206 10/2/2011 AH21-SB206(11-12)-1 11-12	AH22-SB212 10/9/2011 AH-22-SB212(0-0.5) 0-0.5	AH22-SB212 10/9/2011 AH-22-SB212(4-5) 4-5	AH22-SB212 10/9/2011 AH-22-SB212(5.5-6) 5.5-6	AH22-SB212 10/9/2011 AH-22-SB212(8-10) 8-10	AH22-SB212 10/9/2011 AH-22-SB212(14-15) 14-15	AH23-SB204 10/2/2011 AH23-SB204(0-0.5)-1 0-0.5	AH23-SB204 10/2/2011 AH23-SB204(2-3)-1 2-3	AH23-SB204 10/2/2011 AH23-SB204(7-8)-1 7-8	AH23-SB204 10/2/2011 AH23-SB204(15.5-16)-1 15.5-16	AI21-SB211 10/9/2011 AI-21-SB211(0-0.5) 0-0.5	AI21-SB211 10/9/2011 AI-21-SB211(4.5-5) 4-5.5	AI21-SB211 10/9/2011 AI-21-SB211(6-8) 6-8	AI21-SB211 10/9/2011 AI-21-SB211(6-8) DUP 6-8
CT-ETPH (mg/Kg)																			
C9-C36 Aliphatic Hydrocarbons	NE	NE	NE	NS	NS	NS	NS	NS	**98.6**	**99.7**	NS	NS	NS	NS	NS	NS	**757**	NS	NS
Extractable Total Petroleum Hydrocarbons	*500*	*500*	*2500*	NS	NS	NS	NS	NS	**98.6**	**99.7**	NS	NS	NS	NS	NS	NS	**757**	NS	NS
Unidentified	NE	NE	NE	NS	NS	NS	NS	NS	**98.6**	**99.7**	NS	NS	NS	NS	NS	NS	**757**	NS	NS
PAH (ug/Kg)																			
Chrysene	*1000*	*84000*	*780000*	<179	<181	NS	NS	NS	NS	NS	NS	NS	**9740**	<179	NS	NS	NS	NS	NS
Anthracene	40000	1000000	2500000	<179	<181	NS	NS	NS	NS	NS	NS	NS	**10000**	<179	NS	NS	NS	NS	NS
Benzo(a)anthracene	1000	1000	7800	<179	<181	NS	NS	NS	NS	NS	NS	NS	**11900**	<179	NS	NS	NS	NS	NS
Benzo(a)pyrene	1000	1000	1000	<179	<181	NS	NS	NS	NS	NS	NS	NS	**10300**	<179	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	1000	1000	7800	<179	<181	NS	NS	NS	NS	NS	NS	NS	**9680**	<179	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	1000	8400	78000	<179	<181	NS	NS	NS	NS	NS	NS	NS	<9220	<179	NS	NS	NS	NS	NS
Fluoranthene	5600	1000000	2500000	<179	<181	NS	NS	NS	NS	NS	NS	NS	**30900**	<179	NS	NS	NS	NS	NS
Fluorene	5600	1000000	2500000	<179	<181	NS	NS	NS	NS	NS	NS	NS	<9220	<179	NS	NS	NS	NS	NS
Naphthalene	5600	1000000	2500000	<179	<181	NS	NS	NS	NS	NS	NS	NS	<9220	<179	NS	NS	NS	NS	NS
Phenanthrene	4000	1000000	2500000	<179	<181	NS	NS	NS	NS	NS	NS	NS	**34300**	<179	NS	NS	NS	NS	NS
Pyrene	4000	1000000	2500000	<179	<181	NS	NS	NS	NS	NS	NS	NS	**21600**	<179	NS	NS	NS	NS	NS
PAH-SPLP (ug/L)*																			
Chrysene	*4.8*	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.11	NS	NS	NS	NS	NS	NS
1-Methylnaphthalene	NE	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.11	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	*49*	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.11	NS	NS	NS	NS	NS	NS
Acenaphthene	420	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	**8.9**	NS	NS	NS	NS	NS	NS
Anthracene	2000	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	**2.66**	NS	NS	NS	NS	NS	NS
Benzo(a)Anthracene	0.06	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	**0.0844**	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.111	NS	NS	NS	NS	NS	NS
Fluoranthene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	**2.01**	NS	NS	NS	NS	NS	NS
Fluorene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	**5.8**	NS	NS	NS	NS	NS	NS
Naphthalene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.11	NS	NS	NS	NS	NS	NS
Phenanthrene	200	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	**11.2**	NS	NS	NS	NS	NS	NS
Pyrene	200	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	**1.33**	NS	NS	NS	NS	NS	NS
**Metals (mg/Kg) ** **																			
Antimony	0.12	27	8200	<4.66	<4.87	NS	NS	NS	NS	NS	NS	NS	<5.17	<5.28	NS	NS	NS	NS	NS
Arsenic	0.2	10	10	**1.87**	**1.96**	NS	NS	NS	NS	NS	NS	NS	**3.01**	**1.9**	NS	NS	NS	NS	NS
Barium	20	4700	140000	**52.5**	**44.3**	NS	NS	NS	NS	NS	NS	NS	**118**	**74.7**	NS	NS	NS	NS	NS
Beryllium	0.08	2	2	<0.466	<0.487	NS	NS	NS	NS	NS	NS	NS	**0.61**	**0.648**	NS	NS	NS	NS	NS
Cadmium	0.1	34	1000	<0.466	<0.487	NS	NS	NS	NS	NS	NS	NS	<0.517	<0.528	NS	NS	NS	NS	NS
Chromium (Total)***	1	100	100	**12.1**	**12.2**	NS	NS	NS	NS	NS	NS	NS	**24.4**	**13.5**	NS	NS	NS	NS	NS
Copper	26	2500	76000	**11.3**	**11.1**	NS	NS	NS	NS	NS	NS	NS	**15.3**	**7.74**	NS	NS	NS	NS	NS
Lead	0.3	*400*	1000	**15.9**	**18.8**	NS	NS	NS	NS	NS	NS	NS	**33.8**	**5.6**	NS	NS	NS	NS	NS
Mercury	0.04	20	610	<0.0300	<0.0309	NS	NS	NS	NS	NS	NS	NS	**0.0328**	<0.0296	NS	NS	NS	NS	NS
Nickel	2	1400	7500	**9.97**	**9.83**	NS	NS	NS	NS	NS	NS	NS	**14.3**	**7.73**	NS	NS	NS	NS	NS
Selenium	1	340	10000	<1.40	<1.46	NS	NS	NS	NS	NS	NS	NS	<1.55	<1.59	NS	NS	NS	NS	NS
Silver	0.72	340	10000	<1.40	<1.46	NS	NS	NS	NS	NS	NS	NS	<1.55	<1.59	NS	NS	NS	NS	NS
Vanadium	1	470	14000	**15.6**	**15.5**	NS	NS	NS	NS	NS	NS	NS	**25.3**	**15.4**	NS	NS	NS	NS	NS
Zinc	100	20000	610000	**23.3**	**23.2**	NS	NS	NS	NS	NS	NS	NS	**54.6**	**22.4**	NS	NS	NS	NS	NS
Metals-SPLP (mg/L)																			
Arsenic	0.01	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	0.004	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	0.005	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium (Total)	0.05	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	1.3	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	0.015	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.002	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	0.1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	0.05	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	0.036	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	0.05	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides (ug/Kg)																			
Methoxychlor	800	340000	10000000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
**PCBs (ug/Kg) ** **																			
Aroclor 1248	NA	NE	NE	<21.7	<20.7	<35.9	<20.9	<20.9	<27.7	NS	<21.5	<21.3	<22.3	<21.7	<22.6	<21.8	**5160**	<21.4	<21.0
Aroclor 1260	NA	NE	NE	<21.7	<20.7	<35.9	<20.9	**74.2**	**452**	NS	<21.5	<21.3	<22.3	<21.7	<22.6	<21.8	**464**	<21.4	<21.0
Total PCBs	10	1000	10000	BRL	BRL	BRL	BRL	**74.2**	**452**	NS	BRL	BRL	BRL	BRL	BRL	BRL	**5624**	BRL	BRL
PCBs-SPLP (ug/L)																			
Aroclor 1248	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1260	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PCBs	0.5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

AECOM

Table 1
Soil Analytical Data
MISA Soil Remedial Action Plan
Greenwich, CT

Location ID Sample Date Sample ID Depth Interval	GA-PMC	RES DEC	I/C DEC	AI21-SB211 10/9/2011 AI-21-SB211(14-15) 14-15	AI22-SB205 10/2/2011 AI22-SB205(0-1)-1 0-1	AI22-SB205 10/2/2011 AI22-SB205(2-3)-1 2-3	AI22-SB205 10/2/2011 AI22-SB205(6-7)-1 6-7	AI22-SB205 10/2/2011 AI22-SB205(9-10)-1 9-10	AI22-SB205 10/2/2011 AI22-SB205(15-16)-1 15-16	AI23-SB208 10/9/2011 AI-23-SB208(0-0.5) 0-0.5	AI23-SB208 10/9/2011 AI-23-SB208(0.5-2) 0.5-2	AI23-SB208 10/9/2011 AI-23-SB208(6-7) 6-7	AI23-SB208 10/9/2011 AI-23-SB208(10.5-11) 10.5-11	AJ21-SB210 10/9/2011 AJ-21-SB210(0-0.5) 0-0.5	AJ21-SB210 10/9/2011 AJ-21-SB210(0-4) 0-4	AJ21-SB210 10/9/2011 AJ-21-SB210(4.5-5.5) 4.5-5.5	AJ21-SB210 10/9/2011 AJ-21-SB210(5-9) 5-9	AJ21-SB210 10/9/2011 AJ-21-SB210(6-7) 6-7	AJ21-SB210 10/9/2011 AJ-21-SB210(14-15) 14-15
CT-ETPH (mg/Kg)																			
C9-C36 Aliphatic Hydrocarbons	NE	NE	NE	**930**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Extractable Total Petroleum Hydrocarbons	*500*	*500*	*2500*	**930**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Unidentified	NE	NE	NE	**930**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAH (ug/Kg)																			
Chrysene	*1000*	*84000*	*780000*	NS	NS	<184	NS	<178	NS	NS	NS	NS	NS	NS	NS	<1750	NS	NS	<1040
Anthracene	40000	1000000	2500000	NS	NS	<184	NS	<178	NS	NS	NS	NS	NS	NS	NS	<1750	NS	NS	<1040
Benzo(a)anthracene	1000	1000	7800	NS	NS	<184	NS	<178	NS	NS	NS	NS	NS	NS	NS	<1750	NS	NS	<1040
Benzo(a)pyrene	1000	1000	1000	NS	NS	<184	NS	<178	NS	NS	NS	NS	NS	NS	NS	<1750	NS	NS	<1040
Benzo(b)fluoranthene	1000	1000	7800	NS	NS	<184	NS	<178	NS	NS	NS	NS	NS	NS	NS	<1750	NS	NS	<1040
Benzo(k)fluoranthene	1000	8400	78000	NS	NS	<184	NS	<178	NS	NS	NS	NS	NS	NS	NS	<1750	NS	NS	<1040
Fluoranthene	5600	1000000	2500000	NS	NS	<184	NS	<178	NS	NS	NS	NS	NS	NS	NS	<1750	NS	NS	<1040
Fluorene	5600	1000000	2500000	NS	NS	<184	NS	<178	NS	NS	NS	NS	NS	NS	NS	<1750	NS	NS	<1040
Naphthalene	5600	1000000	2500000	NS	NS	<184	NS	<178	NS	NS	NS	NS	NS	NS	NS	<1750	NS	NS	<1040
Phenanthrene	4000	1000000	2500000	NS	NS	<184	NS	<178	NS	NS	NS	NS	NS	NS	NS	<1750	NS	NS	<1040
Pyrene	4000	1000000	2500000	NS	NS	<184	NS	<178	NS	NS	NS	NS	NS	NS	NS	<1750	NS	NS	<1040
PAH-SPLP (ug/L)*																			
Chrysene	*4.8*	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1-Methylnaphthalene	NE	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	*49*	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	420	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	2000	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)Anthracene	0.06	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	200	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	200	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
**Metals (mg/Kg) ** **																			
Antimony	0.12	27	8200	NS	NS	<4.86	<7.01	NS	NS	NS	NS	NS	NS	NS	<5.24	NS	<5.43	NS	NS
Arsenic	0.2	10	10	NS	NS	**4.25**	**2.44**	NS	NS	NS	NS	NS	NS	NS	**10**	NS	**1.74**	NS	NS
Barium	20	4700	140000	NS	NS	**96.7**	**166**	NS	NS	NS	NS	NS	NS	NS	**99.6**	NS	**48.7**	NS	NS
Beryllium	0.08	2	2	NS	NS	**0.656**	**1.26**	NS	NS	NS	NS	NS	NS	NS	<0.524	NS	<0.543	NS	NS
Cadmium	0.1	34	1000	NS	NS	<0.486	<0.701	NS	NS	NS	NS	NS	NS	NS	<0.524	NS	<0.543	NS	NS
Chromium (Total)***	1	100	100	NS	NS	**25.8**	**19.2**	NS	NS	NS	NS	NS	NS	NS	**22**	NS	**11.3**	NS	NS
Copper	26	2500	76000	NS	NS	**15.8**	**8.42**	NS	NS	NS	NS	NS	NS	NS	**15.4**	NS	**12.1**	NS	NS
Lead	0.3	*400*	1000	NS	NS	**27.9**	**56.7**	NS	NS	NS	NS	NS	NS	NS	**148**	NS	**13.4**	NS	NS
Mercury	0.04	20	610	NS	NS	**0.0393**	**0.0586**	NS	NS	NS	NS	NS	NS	NS	**0.153**	NS	<0.0314	NS	NS
Nickel	2	1400	7500	NS	NS	**14.3**	**11.3**	NS	NS	NS	NS	NS	NS	NS	**13.8**	NS	**11.6**	NS	NS
Selenium	1	340	10000	NS	NS	<1.46	<2.10	NS	NS	NS	NS	NS	NS	NS	<2.15	NS	<1.63	NS	NS
Silver	0.72	340	10000	NS	NS	<1.46	<2.10	NS	NS	NS	NS	NS	NS	NS	<1.57	NS	<1.63	NS	NS
Vanadium	1	470	14000	NS	NS	**27.2**	**17.8**	NS	NS	NS	NS	NS	NS	NS	**22.9**	NS	**13**	NS	NS
Zinc	100	20000	610000	NS	NS	**40.4**	**12.6**	NS	NS	NS	NS	NS	NS	NS	**82.6**	NS	**26.7**	NS	NS
Metals-SPLP (mg/L)																			
Arsenic	0.01	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	0.004	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	0.005	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium (Total)	0.05	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	1.3	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	0.015	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.002	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	0.1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	0.05	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	0.036	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	0.05	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides (ug/Kg)																			
Methoxychlor	800	340000	10000000	NS	<8.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
**PCBs (ug/Kg) ** **																			
Aroclor 1248	NA	NE	NE	<62.6	<10.6	NS	<31.2	<21.6	<21.3	<22.0	<23.4	<20.8	<20.9	<20.8	NS	**1390**	NS	<21.2	<62.6
Aroclor 1260	NA	NE	NE	<62.6	<10.6	NS	<31.2	<21.6	<21.3	<22.0	<23.4	<20.8	**49.8**	<20.8	NS	**30.5**	NS	<21.2	<62.6
Total PCBs	10	1000	10000	BRL	BRL	NS	BRL	BRL	BRL	BRL	BRL	BRL	**49.8**	BRL	NS	**1420.5**	NS	BRL	BRL
PCBs-SPLP (ug/L)																			
Aroclor 1248	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1260	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PCBs	0.5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

AECOM

Table 1
Soil Analytical Data
MISA Soil Remedial Action Plan
Greenwich, CT

Location ID Sample Date Sample ID Depth Interval	GA-PMC	RES DEC	I/C DEC	AJ22-SB209 10/9/2011 AJ-22-SB209(0-0.5) 0-0.5	AJ22-SB209 10/9/2011 AJ-22-SB209(1-3) 1-3	AJ22-SB209 10/9/2011 AJ-22-SB209(5-6) 5-6	AJ22-SB209 10/9/2011 AJ-22-SB209(7-8) 7-8	AJ23-SB207 10/2/2011 AJ23-SB207(0-.5)-1 0-0.5	AJ23-SB207 10/2/2011 AJ23-SB207(2.5-3)-1 2.5-3	AJ23-SB207 10/2/2011 AJ23-SB207(2.5-3)-2 2.5-3	AJ23-SB207 10/2/2011 AJ23-SB207(6-6.5)-1 6-6.5	AJ23-SB207 10/2/2011 AJ23-SB207(13-13.5)-1 13-13.5
CT-ETPH (mg/Kg)												
C9-C36 Aliphatic Hydrocarbons	NE	NE	NE	NS	NS	NS	NS	NS	**33.3**	**35.6**	**44.8**	NS
Extractable Total Petroleum Hydrocarbons	*500*	*500*	*2500*	NS	NS	NS	NS	NS	**33.3**	**35.6**	**44.8**	NS
Unidentified	NE	NE	NE	NS	NS	NS	NS	NS	**33.3**	**35.6**	**44.8**	NS
PAH (ug/Kg)												
Chrysene	*1000*	*84000*	*780000*	NS	NS	NS	NS	NS	<394	<400	<359	NS
Anthracene	40000	1000000	2500000	NS	NS	NS	NS	NS	<394	<400	<359	NS
Benzo(a)anthracene	1000	1000	7800	NS	NS	NS	NS	NS	<394	<400	<359	NS
Benzo(a)pyrene	1000	1000	1000	NS	NS	NS	NS	NS	<394	<400	<359	NS
Benzo(b)fluoranthene	1000	1000	7800	NS	NS	NS	NS	NS	<394	<400	<359	NS
Benzo(k)fluoranthene	1000	8400	78000	NS	NS	NS	NS	NS	<394	<400	<359	NS
Fluoranthene	5600	1000000	2500000	NS	NS	NS	NS	NS	<394	<400	<359	NS
Fluorene	5600	1000000	2500000	NS	NS	NS	NS	NS	<394	<400	<359	NS
Naphthalene	5600	1000000	2500000	NS	NS	NS	NS	NS	<394	<400	<359	NS
Phenanthrene	4000	1000000	2500000	NS	NS	NS	NS	NS	<394	<400	<359	NS
Pyrene	4000	1000000	2500000	NS	NS	NS	NS	NS	<394	<400	<359	NS
PAH-SPLP (ug/L)*												
Chrysene	*4.8*	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
1-Methylnaphthalene	NE	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	*49*	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	420	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	2000	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)Anthracene	0.06	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	280	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	200	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	200	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
**Metals (mg/Kg) ** **												
Antimony	0.12	27	8200	NS	NS	NS	NS	NS	<5.55	<5.20	<4.98	NS
Arsenic	0.2	10	10	NS	NS	NS	NS	NS	**3.96**	**3.15**	**1.63**	NS
Barium	20	4700	140000	NS	NS	NS	NS	NS	**83.5**	**73**	**66.9**	NS
Beryllium	0.08	2	2	NS	NS	NS	NS	NS	**0.613**	<0.520	**0.735**	NS
Cadmium	0.1	34	1000	NS	NS	NS	NS	NS	<0.555	<0.520	<0.498	NS
Chromium (Total)***	1	100	100	NS	NS	NS	NS	NS	**19.2**	**15.9**	**16**	NS
Copper	26	2500	76000	NS	NS	NS	NS	NS	**10.5**	**10.6**	**14**	NS
Lead	0.3	*400*	1000	NS	NS	NS	NS	NS	**27.3**	**26.2**	**6.83**	NS
Mercury	0.04	20	610	NS	NS	NS	NS	NS	**0.0542**	**0.059**	<0.0311	NS
Nickel	2	1400	7500	NS	NS	NS	NS	NS	**10.1**	**8.69**	**7.65**	NS
Selenium	1	340	10000	NS	NS	NS	NS	NS	<1.67	<1.56	<1.50	NS
Silver	0.72	340	10000	NS	NS	NS	NS	NS	<1.67	<1.56	<1.50	NS
Vanadium	1	470	14000	NS	NS	NS	NS	NS	**21.1**	**18**	**18.9**	NS
Zinc	100	20000	610000	NS	NS	NS	NS	NS	**37.9**	**34.9**	**24.6**	NS
Metals-SPLP (mg/L)												
Arsenic	0.01	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	0.004	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	0.005	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium (Total)	0.05	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	1.3	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	0.015	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.002	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	0.1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	0.05	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	0.036	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	0.05	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides (ug/Kg)												
Methoxychlor	800	340000	10000000	NS	NS	NS	NS	NS	NS	NS	NS	NS
**PCBs (ug/Kg) ** **												
Aroclor 1248	NA	NE	NE	<21.6	**106**	**138**	<32.5	<20.2	NS	NS	<20.9	<20.2
Aroclor 1260	NA	NE	NE	**34.8**	<21.5	<22.7	<32.5	<20.2	NS	NS	<20.9	<20.2
Total PCBs	10	1000	10000	**34.8**	**106**	**138**	BRL	BRL	NS	NS	BRL	BRL
PCBs-SPLP (ug/L)												
Aroclor 1248	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1260	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PCBs	0.5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1
Soil Analytical Data
MISA Soil Remedial Action Plan
Greenwich, CT

Notes:

This is a summary table. Only detected chemicals are presented.

<0.010 = Not detected above given laboratory reporting limit.

Bold = Detected above reporting limit.

For screening purposes only - Orange highlighted cells exceed the 20x rule for GA_PMC.

Blue highlighted cells exceed RES DEC.

Green highlighted cells exceed I/C DEC.

Yellow highlighted cells exceed GA_PMC for SPLP analytical results.

RES DEC = Residential Direct Exposure Criteria.

I/C DEC = Industrial/Commercial Direct Exposure Criteria.

GA-PMC = Pollutant Mobility Criteria for GA-classified groundwater areas.

NE = Criteria has not been established

NS = Not sampled for this constituent.

ug/Kg = microgram per kilogram

mg/Kg = miligram per kilogram

mg/L = miligram per Liter

Criteria in italics require CT DEEP approval.

* Critiria listed for comparision to PAH SPLP results are RSR GA Groundwater Protection Critiera

** For screening purposes only, listed GA-PMC for inorganics and PCBs mass analysis are RSR GA-PMC (leachate analysis based) multiplied by 20.

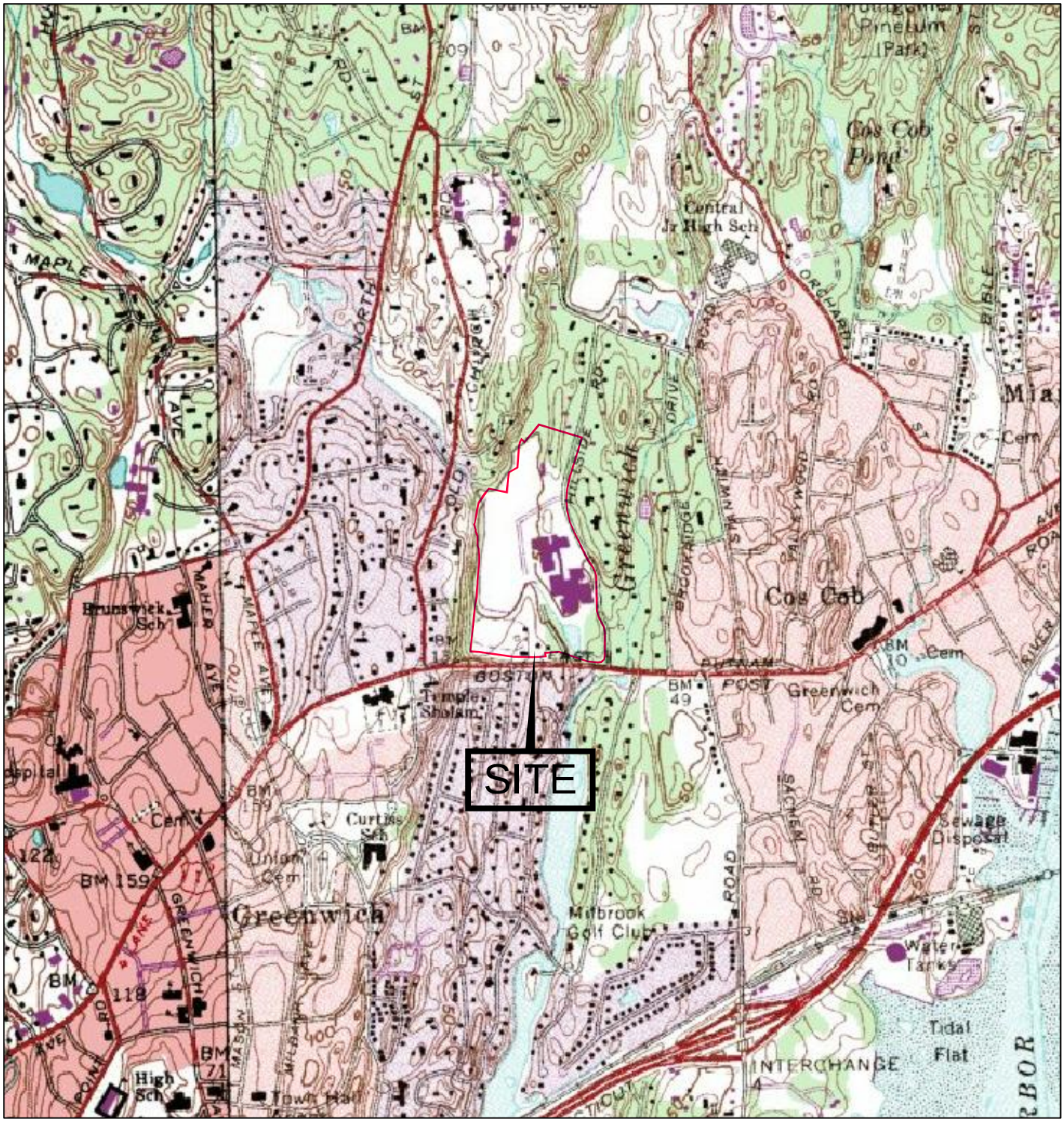
*** For screening purposes only, RES DEC and I/C DEC critiera for hexavalen chromium compared to total chromium results. If screening with this critieria suggests a potential exceedances, then chromium specfic analysis should be run to identify actual exceedances.

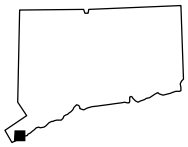
Codified criterion for arsenic GWPC is 50 ug/L, but the revised Drinking Water Action Level is 10 ug/L, which also revises the GA PMC from 0.05 mg/L to 0.01 mg/kg and the GB PMC from 0.5 mg/Lto 0.1 mg/L, to be protective of human health.

Codified critierion for lead RES DEC is 500 mg/kg, but the recommended clean-up criteria in 400 mg/kg to be protective of human health.

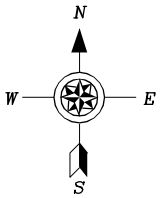
Figures

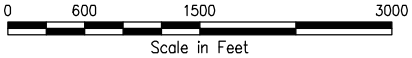
PATH/FILENAME: P:\60225155 – GHS\GREENWICH HIGH SCHOOL\ORIGINAL DRAWING FILES\PROJECT\60225155-01C.DWG PLOT DATE: Friday, January 20, 2012 11:45:38 AM





QUADRANGLE LOCATION





SOURCE: MAPCARD - USGS STAMFORD, CT QUAD. 1984
LAT 41.0399 LONG. -73.6127 ELEVATION = 63'

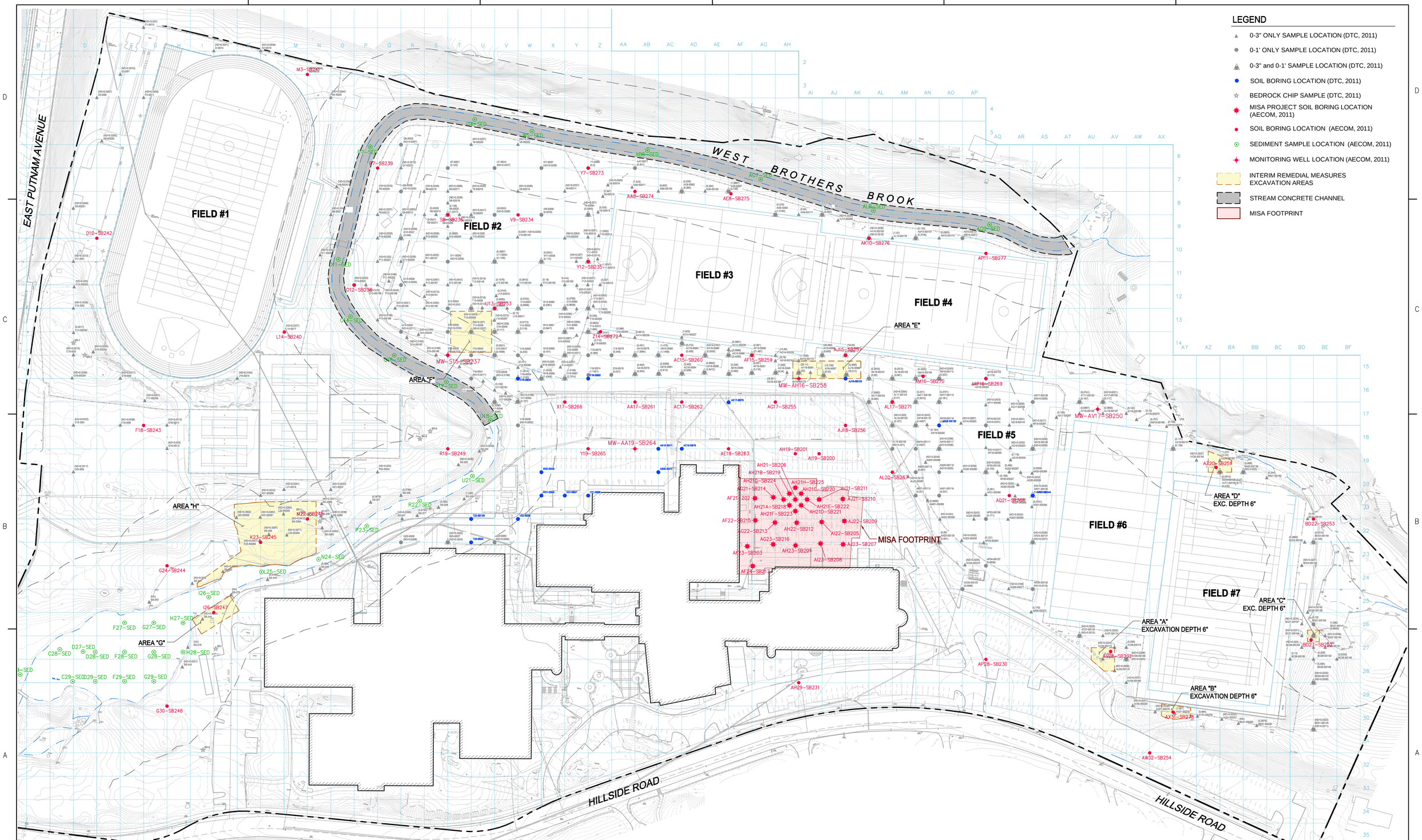
AECOM Environment
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CONNECTICUT 06067
T 860.263.5800 F 860.263.5777
www.aecom.com

FIGURE 1

SITE LOCATION MAP

GREENWICH HIGH SCOOL
10 HILLSIDE ROAD, GREENWICH, CT

DATE:	PROJECT NUMBER:	FIG. No:
DECEMBER 2011	60225155	1



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SCALE:
1" = 70'
0 70 140 210
SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

GREENWICH HIGH SCHOOL
10 HILLSIDE RD
GREENWICH, CT

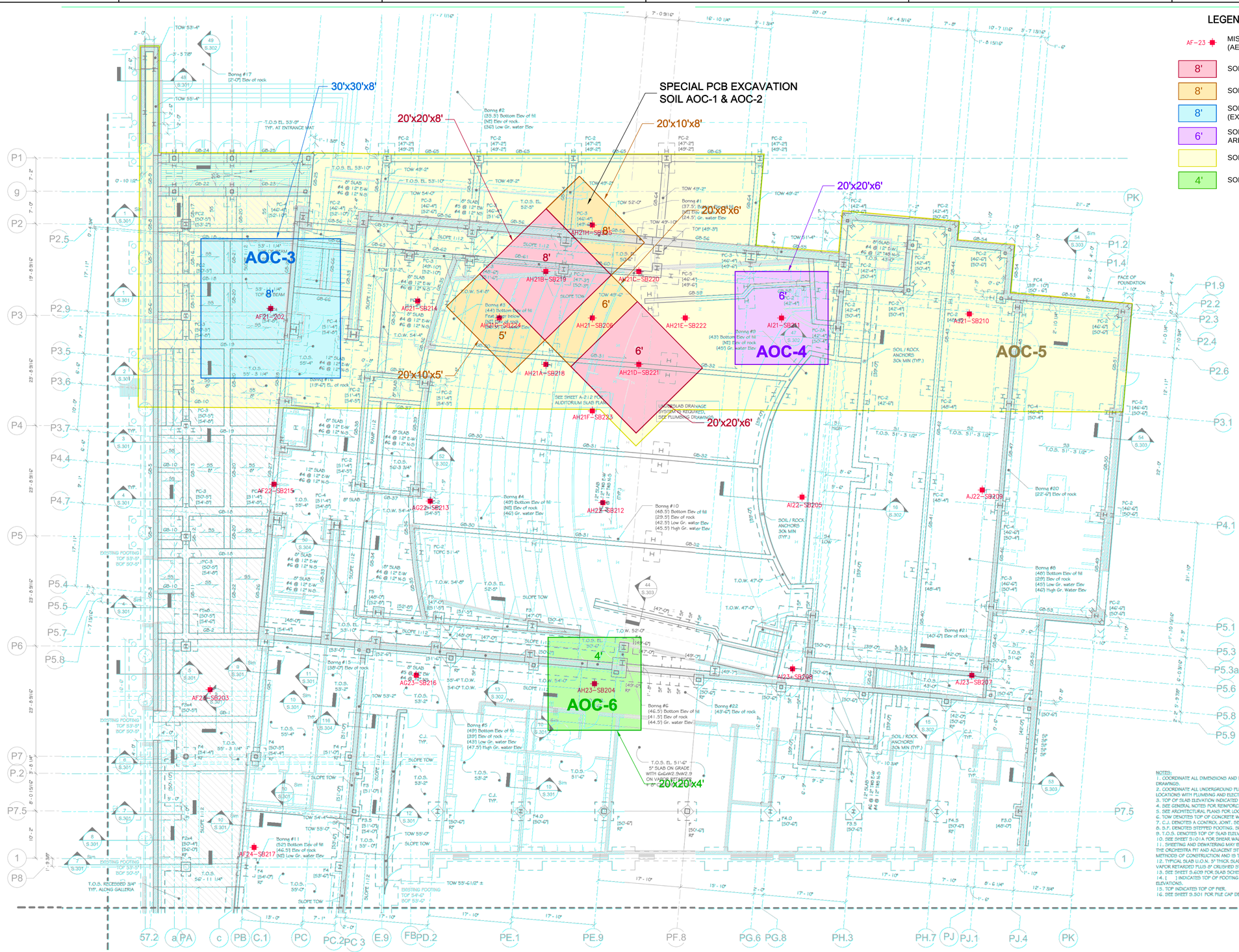
FIGURE 2
SITE PLAN
MISA SOIL REMEDIAL ACTION PLAN

JANUARY 2012

JOB 60225155
FILE NO.
CAD FILE 60225155-01A
SHEET

PATH/FILENAME: P:\60225155 - CHS\GREENWICH HIGH SCHOOL\ORIGINAL DRAWING FILES\PROJECT\60225155-01A.DWG
LAST UPDATE: Friday, January 20, 2012 11:04:37 AM
PLOT DATE: Friday, January 20, 2012 11:06:33 AM

ARCH D - 3-7-05



LEGEND

AF-23	MISA PROJECT SOIL BORING LOCATION (AECOM, 2011)
8'	SOIL AOC-1 PCB > 50 (EXCAVATION AREA AND DEPTH)
8'	SOIL AOC-2 PCB > 10 (EXCAVATION AREA AND DEPTH)
8'	SOIL AOC-3 PCB > 1, Pb >SPLP (EXCAVATION AREA AND DEPTH)
6'	SOIL AOC-4 TPH > GA PMC (EXCAVATION AREA AND DEPTH)
	SOIL AOC-5 PCB > 1
4'	SOIL AOC-6 PAHs > GA PMC

NOTES:
1. COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
2. COORDINATE ALL UNDERGROUND PLUMBING AND ELECTRICAL CONDUIT LOCATIONS WITH PLUMBING AND ELECTRICAL DRAWINGS
3. TOP OF SLAB ELEVATION INDICATED ON PLAN.
4. SEE GENERAL NOTES FOR REINFORCING DOWELS FOR MASONRY WALLS.
5. SEE ARCHITECTURAL PLANS FOR LOCATION OF INTERIOR MASONRY WALLS.
6. T.O.W. DENOTES TOP OF CONCRETE WALL ELEVATION.
7. C.J. DENOTES A CONTROL JOINT. SEE TYPICAL DETAIL.
8. S.F. DENOTES STEPPED FOOTING. SEE TYPICAL DETAIL.
9. T.O.S. DENOTES TOP OF SLAB ELEVATION.
10. SEE SHEET S101A FOR SHEAR WALL LOCATIONS.
11. SHEETING AND DEWATERING MAY BE REQUIRED FOR THE INSTALLATION OF THE ORCHESTRA PIT AND ADJACENT STRUCTURE. INSTALLATION IS MEANS AND METHODS OF CONSTRUCTION AND IS THE RESPONSIBILITY OF THE CONTRACTOR.
12. TYPICAL SLAB U.O.N. 5" THICK SLAB ON GRADE WITH 6x6W2.9xW2.9 ON VAPOR RETARDER PLUS 6" CRUSHED STONE, TYP.
13. SEE SHEET S.600 FOR SLAB SCHEDULE.
14. [ ] INDICATES TOP OF FOOTING ELEVATIONS OR TOP OF PILE CAP ELEVATIONS.
15. TOP INDICATES TOP OF PIER.
16. SEE SHEET S.501 FOR PILE CAP DETAILS.

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AECOM

SCALE:
1" = 10'
0 10 20 30
SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

GREENWICH HIGH SCHOOL
10 HILLSIDE RD
GREENWICH, CT

FIGURE 3
SOIL SAMPLE LOCATIONS AND AREAS OF CONCERN
MISA SOIL REMEDIAL ACTION PLAN

JANUARY 2012

JOB 60225155
FILE NO.
CAD FILE 60225155-01D
SHEET 3

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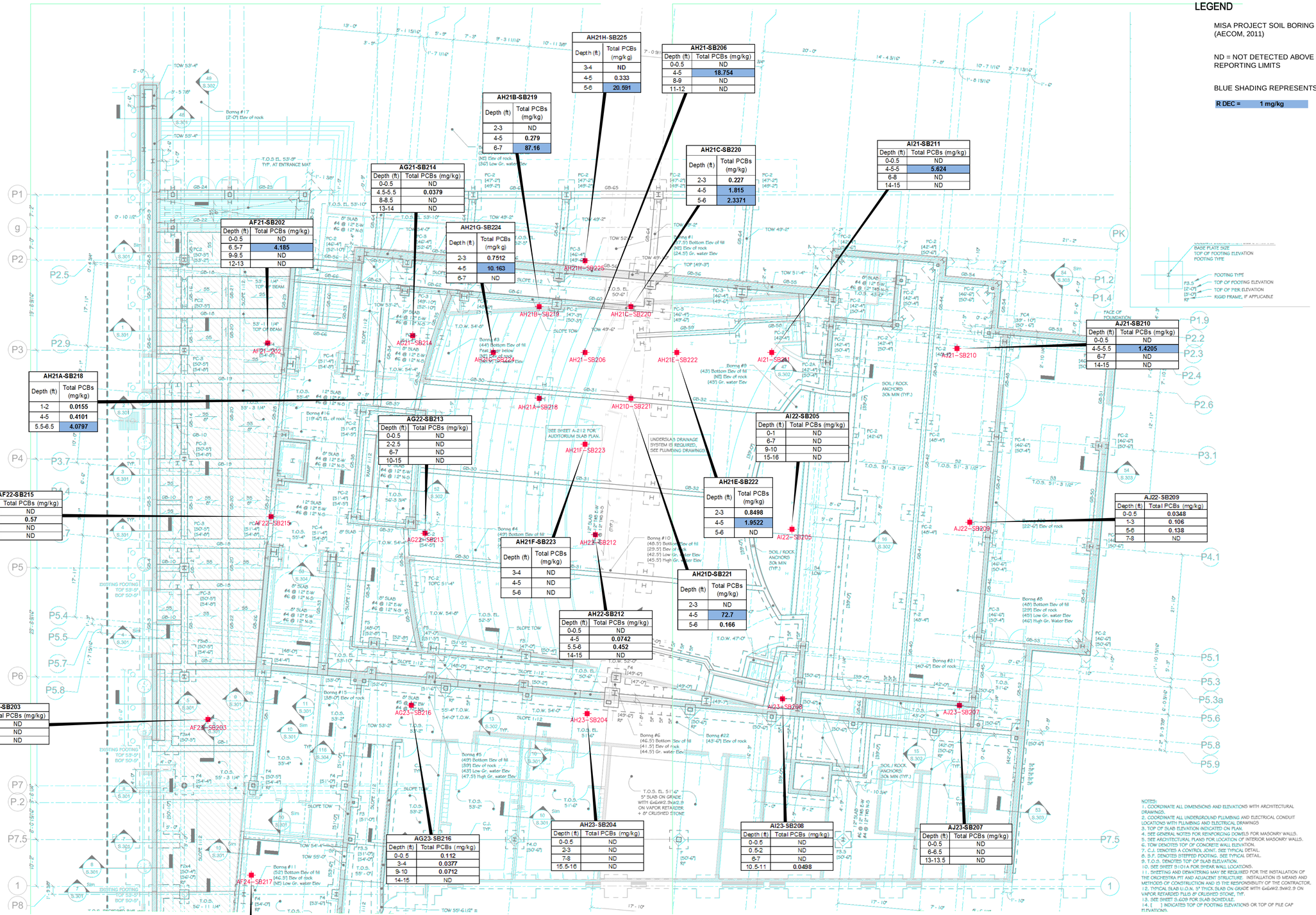
ARCH D - 3-7-05



LEGEND

MISA PROJECT SOIL BORING LOCATION (AECOM, 2011)

ND = NOT DETECTED ABOVE LABORATORY REPORTING LIMITS

BLUE SHADING REPRESENTS RDEC EXCEEDANCE

R DEC =	1 mg/kg

AF21-SB202

Depth (ft)	Total PCBs (mg/kg)
0-0.5	ND
6.5-7	4.185
9-9.5	ND
12-13	ND

AH21A-SB218

Depth (ft)	Total PCBs (mg/kg)
1-2	0.0155
4-5	0.4101
5.5-6.5	4.0797

AH21B-SB219

Depth (ft)	Total PCBs (mg/kg)
2-3	ND
4-5	0.279
6-7	87.16

AH21H-SB225

Depth (ft)	Total PCBs (mg/kg)
3-4	ND
4-5	0.333
5-6	20.591

AH21-SB206

Depth (ft)	Total PCBs (mg/kg)
0-0.5	ND
4-5	18.754
8-9	ND
11-12	ND

AH21C-SB220

Depth (ft)	Total PCBs (mg/kg)
2-3	0.227
4-5	1.815
5-6	2.3371

AI21-SB211

Depth (ft)	Total PCBs (mg/kg)
0-0.5	ND
4-5-5	5.624
6-8	ND
14-15	ND

AG21-SB214

Depth (ft)	Total PCBs (mg/kg)
0-0.5	ND
4.5-5.5	0.0379
8-8.5	ND
13-14	ND

AH21G-SB224

Depth (ft)	Total PCBs (mg/kg)
2-3	0.7512
4-5	10.163
6-7	ND

AJ21-SB210

Depth (ft)	Total PCBs (mg/kg)
0-0.5	ND
4-5-5.5	1.4205
6-7	ND
14-15	ND

AG22-SB213

Depth (ft)	Total PCBs (mg/kg)
0-0.5	ND
2-2.5	ND
6-7	ND
10-15	ND

AI22-SB205

Depth (ft)	Total PCBs (mg/kg)
0-1	ND
6-7	ND
9-10	ND
15-16	ND

AH21E-SB222

Depth (ft)	Total PCBs (mg/kg)
2-3	0.8498
4-5	1.9522
5-6	ND

AF22-SB215

Depth (ft)	Total PCBs (mg/kg)
0-0.5	ND
1-3	0.57
5-6	ND
8-9	ND

AJ22-SB209

Depth (ft)	Total PCBs (mg/kg)
0-0.5	0.0348
1-3	0.106
5-6	0.138
7-8	ND

AH21F-SB223

Depth (ft)	Total PCBs (mg/kg)
3-4	ND
4-5	ND
5-6	ND

AH21D-SB221

Depth (ft)	Total PCBs (mg/kg)
2-3	ND
4-5	72.7
5-6	0.166

AH22-SB212

Depth (ft)	Total PCBs (mg/kg)
0-0.5	ND
4-5	0.0742
5.5-6	0.452
14-15	ND

AF23-SB203

Depth (ft)	Total PCBs (mg/kg)
0-1	ND
8-9	ND
11.5-12	ND

AG23-SB216

Depth (ft)	Total PCBs (mg/kg)
0-0.5	0.112
3-4	0.0377
9-10	0.0712
14-15	ND

AH23-SB204

Depth (ft)	Total PCBs (mg/kg)
0-0.5	ND
2-3	ND
7-8	ND
15.5-16	ND

AI23-SB208

Depth (ft)	Total PCBs (mg/kg)
0-0.5	ND
0.5-2	ND
6-7	ND
10.5-11	0.0498

AJ23-SB207

Depth (ft)	Total PCBs (mg/kg)
0-0.5	ND
6-6.5	ND
13-13.5	ND

AF24-SB217

Depth (ft)	Total PCBs (mg/kg)
0-0.5	ND
4-5	ND
5-6	0.0654
8-9	ND

NOTES:
1. COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
2. COORDINATE ALL UNDERGROUND PLUMBING AND ELECTRICAL CONDUIT LOCATIONS WITH PLUMBING AND ELECTRICAL DRAWINGS
3. TOP OF SLAB ELEVATION INDICATED ON PLAN.
4. SEE GENERAL NOTES FOR REINFORCING DOWELS FOR MASONRY WALLS.
5. SEE ARCHITECTURAL PLANS FOR LOCATION OF INTERIOR MASONRY WALLS.
6. TOW DENOTES TOP OF CONCRETE WALL ELEVATION.
7. C.J. DENOTES A CONTROL JOINT. SEE TYPICAL DETAIL.
8. S.F. DENOTES STEPPED FOOTING. SEE TYPICAL DETAIL.
9. T.O.S. DENOTES TOP OF SLAB ELELVATION.
10. SEE SHEET S101A FOR SHEAR WALL LOCATIONS.
11. SHEETING AND DEWATERING MAY BE REQUIRED FOR THE INSTALLATION OF THE ORCHESTRA PIT AND ADJACENT STRUCTURE. INSTALLATION IS MEANS AND METHODS OF CONSTRUCTION AND IS THE RESPONSIBILITY OF THE CONTRACTOR.
12. TYPICAL SLAB U.O.N. 5" THICK SLAB ON GRADE WITH 6x6xW2.9xW2.9 ON VAPOR RETARDER PLUS 6" CRUSHED STONE, TYP.
13. SEE SHEET S.609 FOR SLAB SCHEDULE.
14. [ ] INDICATES TOP OF FOOTING ELEVATIONS OR TOP OF PILE CAP ELEVATIONS.

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SCALE:
1" = 10'
0 10 20 30
SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

GREENWICH HIGH SCHOOL
10 HILLSIDE RD
GREENWICH, CT

FIGURE 4
PCB ANALYTICAL DATA SUMMARY
MISA SOIL REMEDIAL ACTION PLAN

JANUARY 2012

JOB	60225155
FILE NO.	
CAD FILE	60225155-01D
SHEET	4

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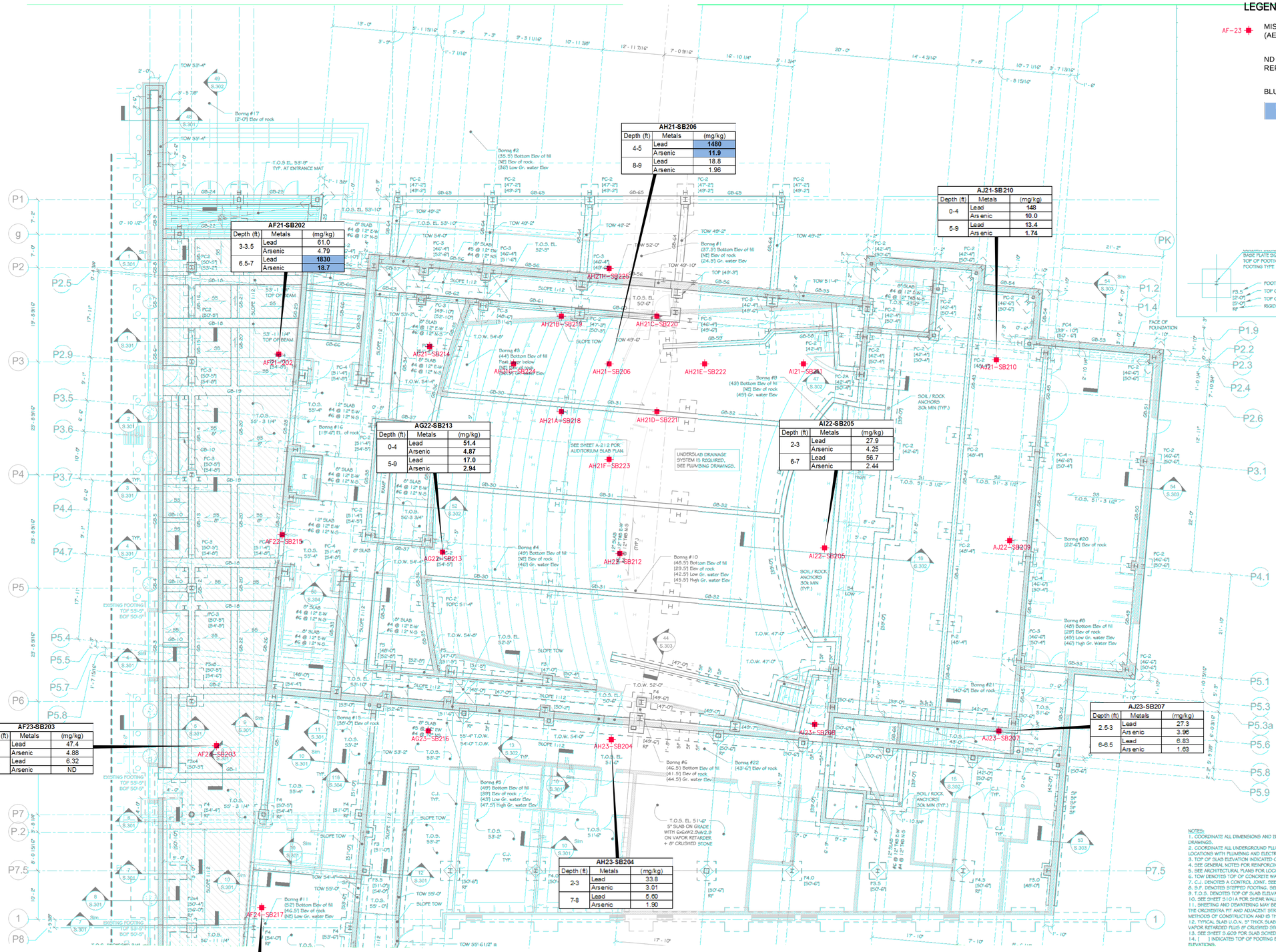

LEGEND

AF-23 — MISA PROJECT SOIL BORING LOCATION (AECOM, 2011)

ND = NOT DETECTED ABOVE LABORATORY REPORTING LIMITS

BLUE SHADING REPRESENTS RDEC EXCEEDANCE

R DEC =	Lead	400
	Arsenic	10

AF21-SB202		
Depth (ft)	Metals	(mg/kg)
3-3.5	Lead	61.0
	Arsenic	4.79
6.5-7	Lead	1830
	Arsenic	18.7

AH21-SB206		
Depth (ft)	Metals	(mg/kg)
4-5	Lead	1480
	Arsenic	11.9
8-9	Lead	18.8
	Arsenic	1.96

AJ21-SB210		
Depth (ft)	Metals	(mg/kg)
0-4	Lead	148
	Arsenic	10.0
5-9	Lead	13.4
	Arsenic	1.74

AG22-SB213		
Depth (ft)	Metals	(mg/kg)
0-4	Lead	51.4
	Arsenic	4.87
5-9	Lead	17.0
	Arsenic	2.94

AI22-SB205		
Depth (ft)	Metals	(mg/kg)
2-3	Lead	27.9
	Arsenic	4.25
6-7	Lead	56.7
	Arsenic	2.44

AF23-SB203		
Depth (ft)	Metals	(mg/kg)
0-1	Lead	47.4
	Arsenic	4.88
8-9	Lead	6.32
	Arsenic	ND

AJ23-SB207		
Depth (ft)	Metals	(mg/kg)
2.5-3	Lead	27.3
	Arsenic	3.96
6-6.5	Lead	6.83
	Arsenic	1.63

AH23-SB204		
Depth (ft)	Metals	(mg/kg)
2-3	Lead	33.8
	Arsenic	3.01
7-8	Lead	5.60
	Arsenic	1.90

AF24-SB217		
0-4	Lead	18.4
	Arsenic	5.25
5-9	Lead	7.1
	Arsenic	3.86

NOTES:
1. COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
2. COORDINATE ALL UNDERGROUND PLUMBING AND ELECTRICAL CONDUIT LOCATIONS WITH PLUMBING AND ELECTRICAL DRAWINGS
3. TOP OF SLAB ELEVATION INDICATED ON PLAN.
4. SEE GENERAL NOTES FOR REINFORCING DOWELS FOR MASONRY WALLS.
5. SEE ARCHITECTURAL PLANS FOR LOCATION OF INTERIOR MASONRY WALLS.
6. TOW DENOTES TOP OF CONCRETE WALL ELEVATION.
7. C.J. DENOTES A CONTROL JOINT. SEE TYPICAL DETAIL.
8. S.F. DENOTES STEPPED FOOTING. SEE TYPICAL DETAIL.
9. T.O.S. DENOTES TOP OF SLAB ELEVATION.
10. SEE SHEET S101A FOR SHEAR WALL LOCATIONS.
11. SHEETING AND DEWATERING MAY BE REQUIRED FOR THE INSTALLATION OF THE ORCHESTRA PIT AND ADJACENT STRUCTURE. INSTALLATION IS MEANS AND METHODS OF CONSTRUCTION AND IS THE RESPONSIBILITY OF THE CONTRACTOR.
12. TYPICAL SLAB U.O.N. 5" THICK SLAB ON GRADE WITH 6x6xW2.9xW2.9 ON VAPOR RETARDER PLUS 6" CRUSHED STONE, TYP.
13. SEE SHEET S.602 FOR SLAB SCHEDULE.
14. [ ] INDICATES TOP OF FOOTING ELEVATIONS OR TOP OF PILE CAP ELEVATIONS.

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AECOM

SCALE:
1" = 10'
0 10 20 30
SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

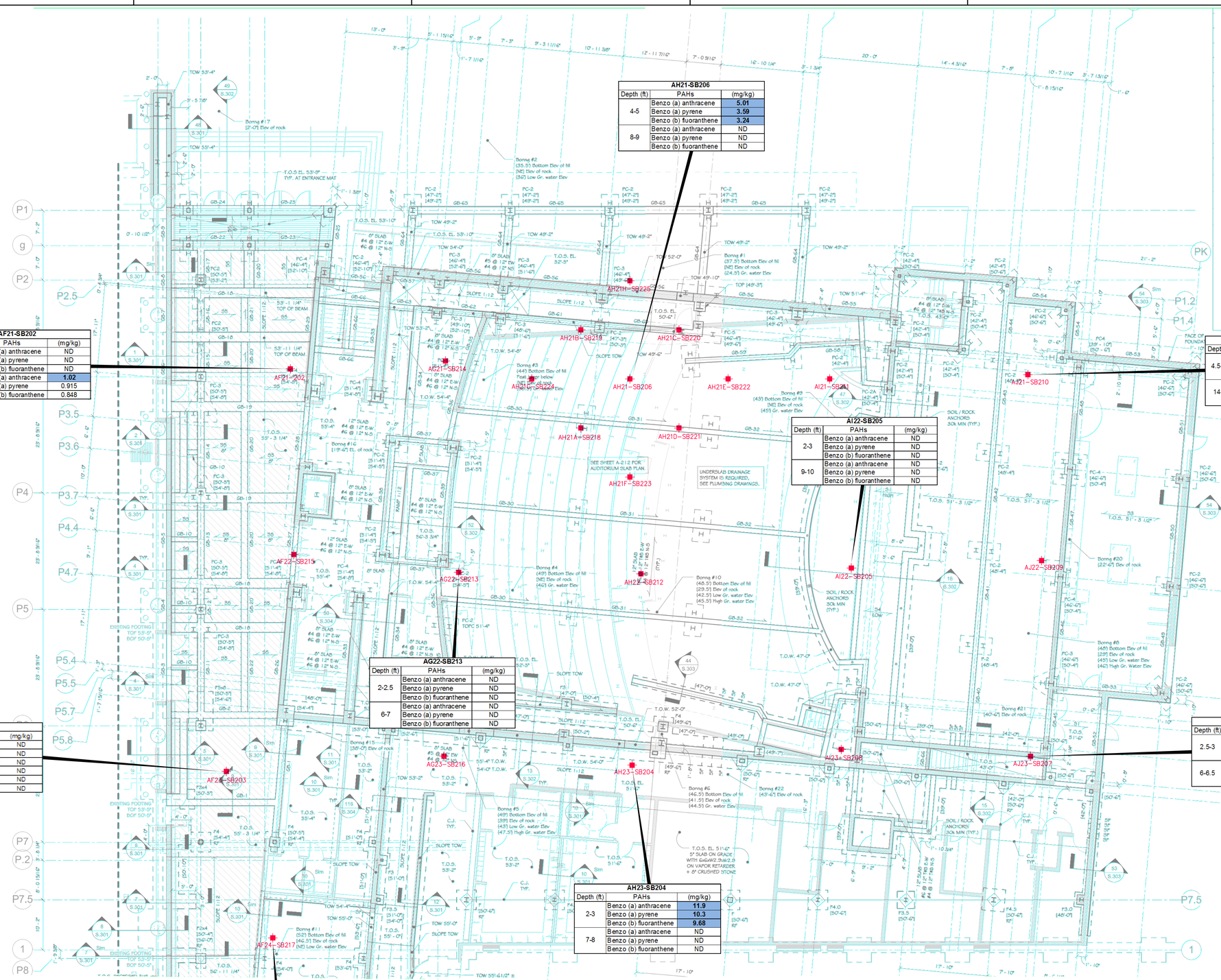
GREENWICH HIGH SCHOOL
10 HILLSIDE RD
GREENWICH, CT

FIGURE 5
METALS ANALYTICAL DATA SUMMARY
MISA SOIL REMEDIAL ACTION PLAN

JANUARY 2012

JOB 60225155
FILE NO.
CAD FILE 60225155-01D
SHEET 5

PATH/FILENAME: P:\60225155 - CHS\GREENWICH HIGH SCHOOL\ORIGINAL DRAWING FILES\PROJECT\60225155-01D.DWG
LAST UPDATE: Friday, January 20, 2012 11:08:58 AM
PLOT DATE: Friday, January 20, 2012 11:35:35 AM
ARCH D - 3-7-05



LEGEND

MISA PROJECT SOIL BORING LOCATION (AECOM, 2011)

ND = NOT DETECTED ABOVE LABORATORY REPORTING LIMITS

BLUE SHADING REPRESENTS RDEC EXCEEDANCE

R DEC =	Benzo (a) anthracene	1
	Benzo (a) pyrene	1
	Benzo (b) fluoranthene	1

AH21-SB206

Depth (ft)	PAHs	(mg/kg)
4-5	Benzo (a) anthracene	5.01
	Benzo (a) pyrene	3.59
	Benzo (b) fluoranthene	3.24
8-9	Benzo (a) anthracene	ND
	Benzo (a) pyrene	ND
	Benzo (b) fluoranthene	ND

AF21-SB202

Depth (ft)	PAHs	(mg/kg)
3-3.5	Benzo (a) anthracene	ND
	Benzo (a) pyrene	ND
	Benzo (b) fluoranthene	ND
6.5-7	Benzo (a) anthracene	1.02
	Benzo (a) pyrene	0.915
	Benzo (b) fluoranthene	0.848

AJ21-SB210

Depth (ft)	PAHs	(mg/kg)
4.5-5.5	Benzo (a) anthracene	ND
	Benzo (a) pyrene	ND
	Benzo (b) fluoranthene	ND
14-15	Benzo (a) anthracene	ND
	Benzo (a) pyrene	ND
	Benzo (b) fluoranthene	ND

AJ22-SB205

Depth (ft)	PAHs	(mg/kg)
2-3	Benzo (a) anthracene	ND
	Benzo (a) pyrene	ND
	Benzo (b) fluoranthene	ND
9-10	Benzo (a) anthracene	ND
	Benzo (a) pyrene	ND
	Benzo (b) fluoranthene	ND

AG22-SB213

Depth (ft)	PAHs	(mg/kg)
2-2.5	Benzo (a) anthracene	ND
	Benzo (a) pyrene	ND
	Benzo (b) fluoranthene	ND
6-7	Benzo (a) anthracene	ND
	Benzo (a) pyrene	ND
	Benzo (b) fluoranthene	ND

AF23-SB203

Depth (ft)	PAHs	(mg/kg)
0-1	Benzo (a) anthracene	ND
	Benzo (a) pyrene	ND
	Benzo (b) fluoranthene	ND
8-9	Benzo (a) anthracene	ND
	Benzo (a) pyrene	ND
	Benzo (b) fluoranthene	ND

AJ23-SB207

Depth (ft)	PAHs	(mg/kg)
2.5-3	Benzo (a) anthracene	ND
	Benzo (a) pyrene	ND
	Benzo (b) fluoranthene	ND
6-6.5	Benzo (a) anthracene	ND
	Benzo (a) pyrene	ND
	Benzo (b) fluoranthene	ND

AH23-SB204

Depth (ft)	PAHs	(mg/kg)
2-3	Benzo (a) anthracene	11.9
	Benzo (a) pyrene	10.3
	Benzo (b) fluoranthene	9.68
7-8	Benzo (a) anthracene	ND
	Benzo (a) pyrene	ND
	Benzo (b) fluoranthene	ND

AF24-SB217

Depth (ft)	PAHs	(mg/kg)
4-5	Benzo (a) anthracene	ND
	Benzo (a) pyrene	ND
	Benzo (b) fluoranthene	ND
5-6	Benzo (a) anthracene	ND
	Benzo (a) pyrene	ND
	Benzo (b) fluoranthene	ND

NOTES:
1. COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
2. COORDINATE ALL UNDERGROUND PLUMBING AND ELECTRICAL CONDUIT LOCATIONS WITH PLUMBING AND ELECTRICAL DRAWINGS
3. TOP OF SLAB ELEVATION INDICATED ON PLAN.
4. SEE GENERAL NOTES FOR REINFORCING DOWELS FOR MASONRY WALLS.
5. SEE ARCHITECTURAL PLANS FOR LOCATION OF INTERIOR MASONRY WALLS.
6. TOW DENOTES TOP OF CONCRETE WALL ELEVATION.
7. C.J. DENOTES A CONTROL JOINT. SEE TYPICAL DETAIL.
8. S.F. DENOTES STEPPED FOOTING. SEE TYPICAL DETAIL.
9. T.O.S. DENOTES TOP OF SLAB ELELVATION.
10. SEE SHEET S101A FOR SHEAR WALL LOCATIONS.
11. SHEETING AND DEWATERING MAY BE REQUIRED FOR THE INSTALLATION OF THE ORCHESTRA PIT AND ADJACENT STRUCTURE. INSTALLATION IS MEANS AND METHODS OF CONSTRUCTION AND IS THE RESPONSIBILITY OF THE CONTRACTOR.
12. TYPICAL SLAB U.O.N. 5" THICK SLAB ON GRADE WITH 6x6xW2.9xW2.9 ON VAPOR RETARDER PLUS 6" CRUSHED STONE, TYP.
13. SEE SHEET S-609 FOR SLAB SCHEDULE.
14. [ ] INDICATES TOP OF FOOTING ELEVATIONS OR TOP OF PILE CAP ELEVATIONS.

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AECOM

SCALE:
1" = 10'
0 10 20 30
SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

GREENWICH HIGH SCHOOL
10 HILLSIDE RD
GREENWICH, CT

FIGURE 6
PAHs ANALYTICAL DATA SUMMARY
MISA SOIL REMEDIAL ACTION PLAN

JANUARY 2012

JOB 60225155
FILE NO.
CAD FILE 60225155-01D
SHEET 6

PATH/FILENAME: P:\60225155 - GHS\GREENWICH HIGH SCHOOL\ORIGINAL DRAWING FILES\PROJECT\60225155-010.DWG
LAST UPDATE: Friday, January 20, 2012 11:38:48 AM
PLOT DATE: Friday, January 20, 2012 11:39:15 AM
ARCH D - 3-7-05

AF21-SB202	
Depth (ft)	CT ETPH (mg/kg)
0-0.5	NA
3-3.5	42.1
6.5-7	715
9-9.5	NA
12-13	NA

AI21-SB211	
Depth (ft)	CT ETPH (mg/kg)
0-0.5	NA
4-5.5	757
6-8	NA
6-8	NA
14-15	930

AH22-SB212	
Depth (ft)	CT ETPH (mg/kg)
0-0.5	NA
4-5	NA
5-6	98.6
8-10	99.7
14-15	NA

AJ23-SB207	
Depth (ft)	CT ETPH (mg/kg)
0-0.5	NA
2.5-3	33.3
2.5-3	35.6
6-6.5	44.8
13-13.5	NA

LEGEND

MISA PROJECT SOIL BORING LOCATION (AECOM, 2011)

ND = NOT DETECTED ABOVE LABORATORY REPORTING LIMITS

BLUE SHADING REPRESENTS RDEC EXCEEDANCE

R DEC = 500 mg/kg

NOTES:
1. COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
2. COORDINATE ALL UNDERGROUND PLUMBING AND ELECTRICAL CONDUIT LOCATIONS WITH PLUMBING AND ELECTRICAL DRAWINGS
3. TOP OF SLAB ELEVATION INDICATED ON PLAN.
4. SEE GENERAL NOTES FOR REINFORCING DOWELS FOR MASONRY WALLS.
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7. C.J. DENOTES A CONTROL JOINT. SEE TYPICAL DETAIL.
8. S.F. DENOTES STEPPED FOOTING. SEE TYPICAL DETAIL.
9. T.O.S. DENOTES TOP OF SLAB ELEVATION.
10. SEE SHEET S101A FOR SHEAR WALL LOCATIONS.
11. SHEETING AND DEWATERING MAY BE REQUIRED FOR THE INSTALLATION OF THE ORCHESTRA PIT AND ADJACENT STRUCTURE. INSTALLATION IS MEANS AND METHODS OF CONSTRUCTION AND IS THE RESPONSIBILITY OF THE CONTRACTOR.
12. TYPICAL SLAB U.O.N. 5" THICK SLAB ON GRADE WITH 6x6xW2.9xW2.9 ON VAPOR RETARDED PLUS 8" CRUSHED STONE, TYP.
13. SEE SHEET S-608 FOR SLAB SCHEDULE.
14. [ ] INDICATED TOP OF FOOTING ELEVATIONS OR TOP OF PILE CAP ELEVATIONS.

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AECOM

SCALE:
1" = 10'
0 10 20 30
SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

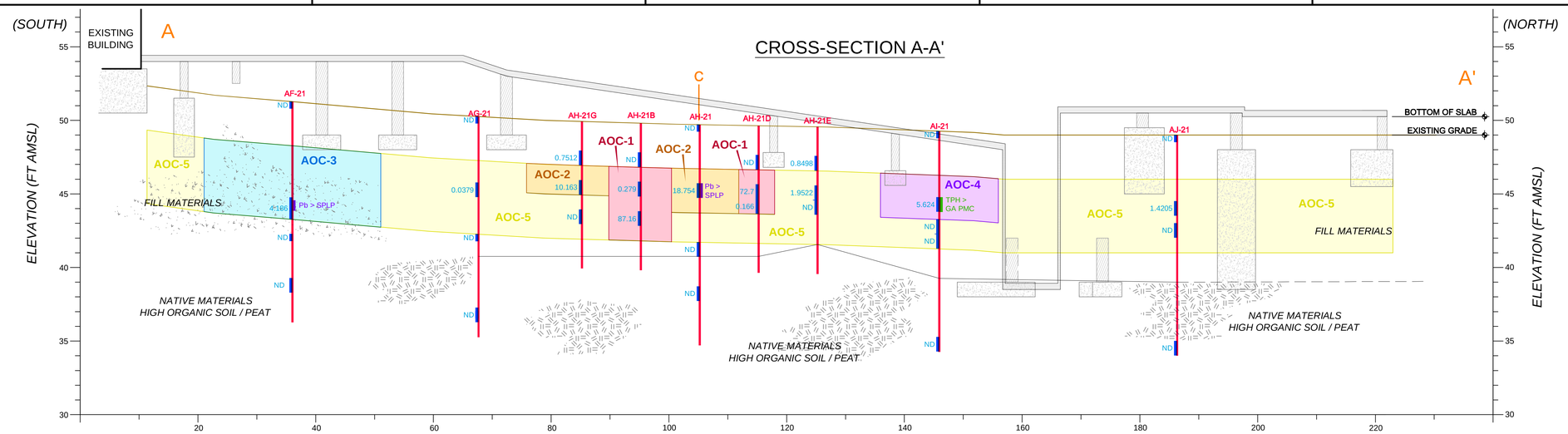
GREENWICH HIGH SCHOOL
10 HILLSIDE RD
GREENWICH, CT

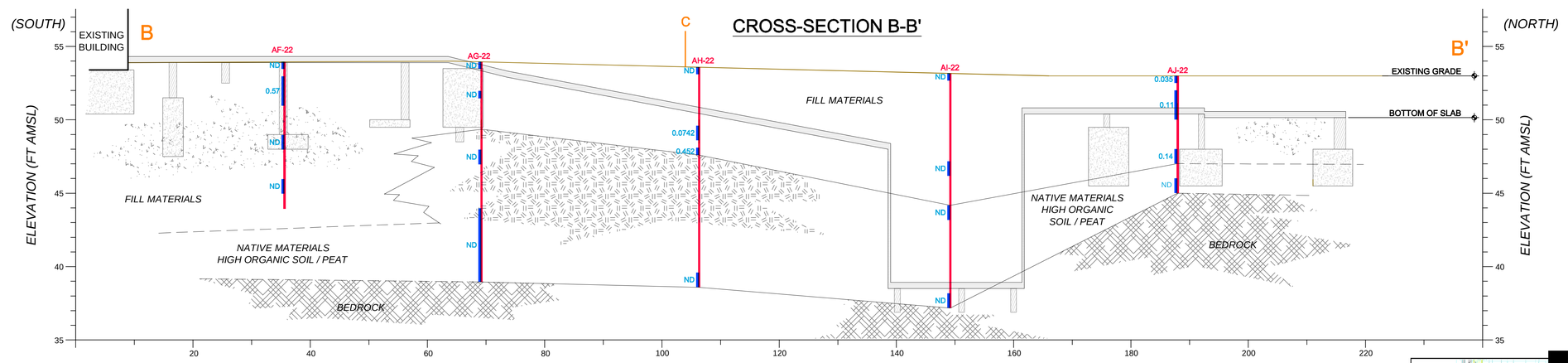
FIGURE 7
ETPH ANALYTICAL DATA SUMMARY
MISA SOIL REMEDIAL ACTION PLAN

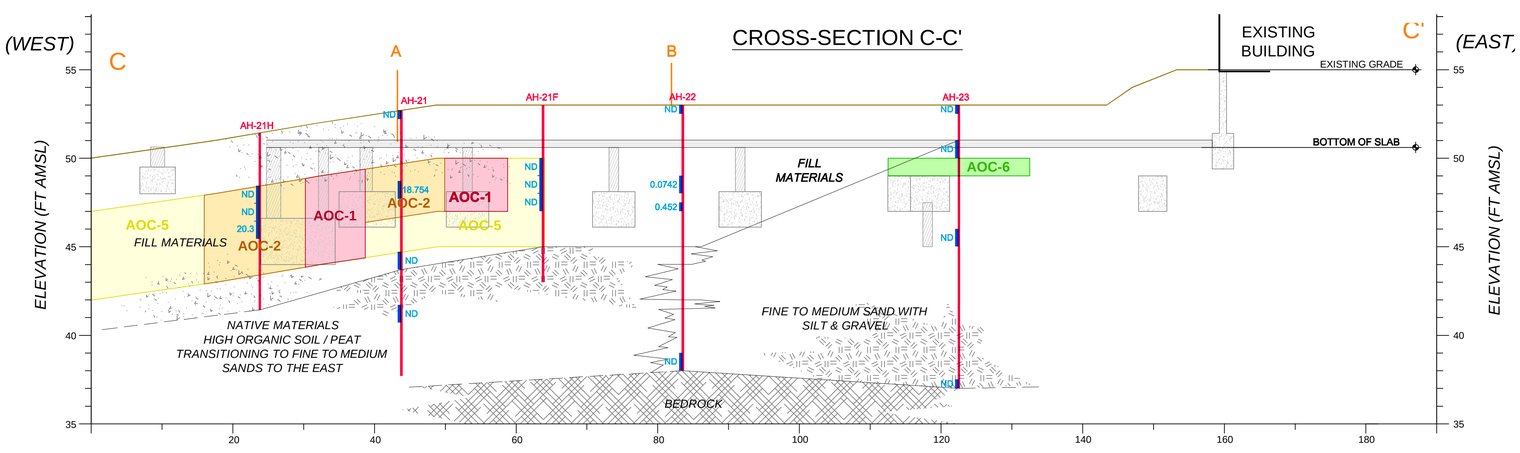
JANUARY 2012

JOB 60225155
FILE NO.
CAD FILE 60225155-01D
SHEET 7

PATH/FILENAME: P:\60225155 - GHS\GREENWICH HIGH SCHOOL\ORIGINAL DRAWING FILES\PROJECT\60225155-010.DWG
LAST UPDATE: Friday, January 20, 2012 11:38:48 AM
PLOT DATE: Friday, January 20, 2012 11:41:41 AM
ARCH D - 3-7-05







DISTANCE ALONG CROSS-SECTION (FT)

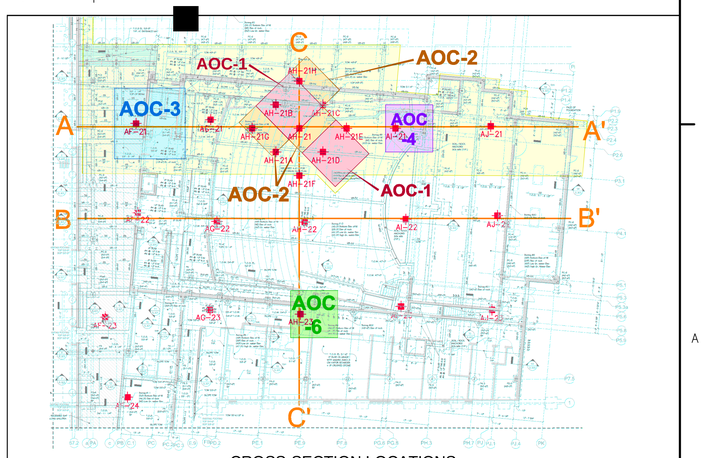
VERTICAL EXAGGERATION = 2.5x FOR ALL SECTIONS

LEGEND

TPH > GA PMC	TPH CONCENTRATION IN mg/Kg
Pb > SPLP	Pb CONCENTRATION IN mg/Kg
0.14	PCB IN CONCENTRATION IN mg/Kg
ND	NON DETECTION
AG-22	MISA PROJECT SOIL BORING LOCATION (AECOM, 2011) AND DEPTH & INTERVAL OF PCB/Pb/TPH SAMPLE
	PCB > 50 EXCAVATION AREA AND DEPTH
	PCB > 10 EXCAVATION AREA AND DEPTH
	PCB > 1, Pb > SPLP EXCAVATION AREA AND DEPTH
	TPH > GA PMC EXCAVATION AREA AND DEPTH
	PCB > 1 EXCAVATION AREA AND DEPTH
	PAHs > GA PMC EXCAVATION AREA AND DEPTH

NOTES:

1) DEPTHS TO AND THICKNESS OF BEDROCK AND STRATIGRAPHIC UNITS ARE ESTIMATED BASED ON AVAILABLE SITE INFORMATION.



CROSS-SECTION LOCATIONS

SCALE: 1"=30'

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(860) 263-5800
www.aecom.com

AECOM

SCALE: VERTICAL 0 4 8 12 SCALE FEET

HORIZONTAL 0 10 20 30 SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

GREENWICH HIGH SCHOOL
10 HILLSIDE RD
GREENWICH, CT

FIGURE 8
GEOLOGICAL CROSS-SECTIONS WITH CONSTRUCTION DETAILS
MISA SOIL REMEDIAL ACTION PLAN

DECEMBER 2011

JOB 60225155

FILE NO.

CAD FILE 60225155-01E

SHEET 8

PATH/FILENAME: P:\60225155 - GHS\GREENWICH HIGH SCHOOL\ORIGINAL DRAWING FILES\PROJECT\60225155-01E.DWG
LAST UPDATE: Tuesday, January 17, 2012 6:29:04 PM
PLOT DATE: Friday, January 20, 2012 11:44:03 AM
ARCH D - 3-7-05

Appendix A

Analytical Data Reports

Report Date:
13-Oct-11 13:23

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

AECOM Environment
500 Enterprise Drive, Suite 1A
Rocky Hill, CT 06067
Attn: Malcolm Beeler

Project: GHS- MISA - Greenwich, CT
Project #: 60225155.0100

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB36674-01	AI19-SB200 (0-0.5)-1	Soil	02-Oct-11 10:09	03-Oct-11 18:40
SB36674-02	AI19-SB200 (1-2)-1	Soil	02-Oct-11 10:12	03-Oct-11 18:40
SB36674-03	AI19-SB200 (8-9)-1	Soil	02-Oct-11 10:19	03-Oct-11 18:40
SB36674-04	AI19-SB200 (15-15.5)-1	Soil	02-Oct-11 10:42	03-Oct-11 18:40
SB36674-05	AI19-SB200 (18-18.5)-1	Soil	02-Oct-11 10:45	03-Oct-11 18:40
SB36674-06	AH19-SB201 (0-0.5)-2	Soil	02-Oct-11 11:05	03-Oct-11 18:40
SB36674-07	AH19-SB201 (0-0.5)-1	Soil	02-Oct-11 11:05	03-Oct-11 18:40
SB36674-08	AH19-SB201 (3-3.5)-1	Soil	02-Oct-11 11:10	03-Oct-11 18:40
SB36674-09	AH19-SB201 (6-6.5)-1	Soil	02-Oct-11 11:20	03-Oct-11 18:40
SB36674-10	AH19-SB201 (11-11.5)-1	Soil	02-Oct-11 11:25	03-Oct-11 18:40
SB36674-11	AH19-SB201 (14.5-15)-1	Soil	02-Oct-11 11:28	03-Oct-11 18:40
SB36674-12	AF21-SB202 (0-0.5)-1	Soil	02-Oct-11 11:58	03-Oct-11 18:40
SB36674-13	AF21-SB202 (3.0-3.5)-1	Soil	02-Oct-11 12:00	03-Oct-11 18:40
SB36674-14	AF21-SB202 (6.5-7.0)-1	Soil	02-Oct-11 12:10	03-Oct-11 18:40
SB36674-15	AF21-SB202 (9-9.5)-1	Soil	02-Oct-11 12:24	03-Oct-11 18:40
SB36674-16	AF21-SB202 (12-13)-1	Soil	02-Oct-11 12:26	03-Oct-11 18:40
SB36674-17	AF23-SB203 (0-1)-1	Soil	02-Oct-11 13:41	03-Oct-11 18:40
SB36674-18	AF23-SB203 (8-9)-1	Soil	02-Oct-11 13:24	03-Oct-11 18:40
SB36674-19	AF23-SB203 (11.5-12)-1	Soil	02-Oct-11 13:32	03-Oct-11 18:40
SB36674-20	AH23-SB204 (0-0.5)-1	Soil	02-Oct-11 13:58	03-Oct-11 18:40
SB36674-21	AH23-SB204 (2-3)-1	Soil	02-Oct-11 14:06	03-Oct-11 18:40
SB36674-22	AH23-SB204 (7-8)-1	Soil	02-Oct-11 14:12	03-Oct-11 18:40
SB36674-24	AH23-SB204 (15.5-16)-1	Soil	02-Oct-11 14:28	03-Oct-11 18:40
SB36674-25	AI22-SB205 (0-1)-1	Soil	02-Oct-11 14:40	03-Oct-11 18:40
SB36674-26	AI22-SB205 (2-3)-1	Soil	02-Oct-11 14:50	03-Oct-11 18:40
SB36674-27	AI22-SB205 (6-7)-1	Soil	02-Oct-11 15:00	03-Oct-11 18:40
SB36674-28	AI22-SB205 (9-10)-1	Soil	02-Oct-11 15:05	03-Oct-11 18:40
SB36674-29	AI22-SB205 (15-16)-1	Soil	02-Oct-11 15:10	03-Oct-11 18:40
SB36674-30	AJ23-SB207 (0-.5)-1	Soil	02-Oct-11 16:35	03-Oct-11 18:40
SB36674-31	AJ23-SB207 (2.5-3)-1	Soil	02-Oct-11 16:40	03-Oct-11 18:40
SB36674-32	AJ23-SB207 (2.5-3)-2	Soil	02-Oct-11 16:40	03-Oct-11 18:40
SB36674-33	AJ23-SB207 (6-6.5)-1	Soil	02-Oct-11 16:45	03-Oct-11 18:40
SB36674-34	AJ23-SB207 (13-13.5)-1	Soil	02-Oct-11 16:50	03-Oct-11 18:40
SB36674-35	AH21-SB206 (0-0.5)-1	Soil	02-Oct-11 15:45	03-Oct-11 18:40
SB36674-36	AH21-SB206 (0-0.5)-2	Soil	02-Oct-11 15:45	03-Oct-11 18:40
SB36674-37	AH21-SB206 (4-5)-1	Soil	02-Oct-11 16:00	03-Oct-11 18:40
SB36674-38	AH21-SB206 (8-9)-1	Soil	02-Oct-11 16:10	03-Oct-11 18:40

SB36674-39	AH21-SB206 (8-9)-2	Soil	02-Oct-11 16:10	03-Oct-11 18:40
SB36674-40	AH21-SB206 (11-12)-1	Soil	02-Oct-11 16:15	03-Oct-11 18:40

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 83 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: AECOM Environment - Rocky Hill, CT

Project Location: GHS- MISA - Greenwich, CT

Project Number: 60225155.0100

Sampling Date(s):
10/2/2011

Laboratory Sample ID(s):
SB36674-01 through SB36674-40

RCP Methods Used:

CT ETPH
SW846 6010C
SW846 7471B
SW846 8081B
SW846 8082A
SW846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes No
3	Were samples received at an appropriate temperature?	✓ Yes No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes ✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? * b) Were these reporting limits met? ** Exceptions are defined by qualifiers*	Yes ✓ No Yes No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes ✓ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja
Laboratory Director
Date: 10/13/2011

CASE NARRATIVE:

The samples were received 3.4 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

SW846 8082 Case Narrative:

Samples SB36674-09, 10, 14,and -37 have a large peak that is present in the chromatogram. The analyst performed 3660 Sulfur Cleanup on the affected samples and it showed slight improvement, however two samples still had interference around the internal standard. The results from the confirmation column were used for these samples (SB36674-09 and -14).

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

CT ETPH

Samples:

SB36674-14 *AF21-SB202 (6.5-7.0)-1*

The Reporting Limit has been raised to account for matrix interference.

SB36674-33 *AJ23-SB207 (6-6.5)-1*

The Reporting Limit has been raised to account for matrix interference.

SW846 6010C

Spikes:

1120488-MS1 *Source: SB36674-38*

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Antimony

1120488-MSD1 *Source: SB36674-38*

SW846 6010C

Spikes:

1120488-MSD1 *Source: SB36674-38*

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Antimony

Duplicates:

1120488-DUP1 *Source: SB36674-38*

Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Antimony

Samples:

SB36674-09 *AH19-SB201 (6-6.5)-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Zinc

The Reporting Limit has been raised to account for matrix interference.

Antimony

SB36674-14 *AF21-SB202 (6.5-7.0)-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Zinc

The Reporting Limit has been raised to account for matrix interference.

Antimony

SB36674-37 *AH21-SB206 (4-5)-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Zinc

SW846 7471B

Spikes:

1120489-MS1 *Source: SB36674-38*

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Mercury

Samples:

SB36674-09 *AH19-SB201 (6-6.5)-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Mercury

SB36674-37 *AH21-SB206 (4-5)-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Mercury

SW846 8081B

SW846 8081B

Samples:

SB36674-06 *AH19-SB201 (0-0.5)-2*

Difference between the two GC columns is greater than 40%.

gamma-Chlordane [2C]

SB36674-07 *AH19-SB201 (0-0.5)-1*

Difference between the two GC columns is greater than 40%.

gamma-Chlordane [2C]

SW846 8082A

Samples:

SB36674-09 *AH19-SB201 (6-6.5)-1*

Difference between the two GC columns is greater than 40%.

Aroclor-1248 [2C]
Aroclor-1260 [2C]

Matrix interference affected the internal standard recovery on the primary column. The results from the confirmation column were used.

2,4,5,6-TC-M-Xylene (IS)
Decachlorobiphenyl (Sr)

SB36674-14 *AF21-SB202 (6.5-7.0)-1*

Difference between the two GC columns is greater than 40%.

Aroclor-1248 [2C]
Aroclor-1260 [2C]

Matrix interference affected the internal standard recovery on the primary column. The results from the confirmation column were used.

2,4,5,6-TC-M-Xylene (IS)
Decachlorobiphenyl (Sr)

SB36674-37 *AH21-SB206 (4-5)-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SW846 8270D

Samples:

SB36674-14 *AF21-SB202 (6.5-7.0)-1*

The Reporting Limit has been raised to account for matrix interference.

SB36674-17 *AF23-SB203 (0-1)-1*

The Reporting Limit has been raised to account for matrix interference.

SB36674-21 *AH23-SB204 (2-3)-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB36674-37 *AH21-SB206 (4-5)-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI19-SB200 (0-0.5)-1 SB36674-01	60225155.0100	Soil	02-Oct-11 10:09	03-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.5		µg/kg dry	21.5	10.7	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 21.5		µg/kg dry	21.5	19.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.5		µg/kg dry	21.5	13.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.5		µg/kg dry	21.5	12.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.5		µg/kg dry	21.5	10.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.5		µg/kg dry	21.5	15.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.5		µg/kg dry	21.5	8.23	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.5		µg/kg dry	21.5	20.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.5		µg/kg dry	21.5	6.74	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.7**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120587	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI19-SB200 (1-2)-1	60225155.0100	Soil	02-Oct-11 10:12	03-Oct-11
SB36674-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A													
8006-61-9	Gasoline	< 29.2		mg/kg dry	29.2	1.5	1	CT ETPH	06-Oct-11	06-Oct-11	SEW	1120542	
68476-30-2	Fuel Oil #2	< 29.2		mg/kg dry	29.2	2.9	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 29.2		mg/kg dry	29.2	2.9	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 29.2		mg/kg dry	29.2	7.3	1	"	"	"	"	"	
M09800000	Motor Oil	< 29.2		mg/kg dry	29.2	2.9	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 29.2		mg/kg dry	29.2	7.3	1	"	"	"	"	"	
	Unidentified	< 29.2		mg/kg dry	29.2	7.3	1	"	"	"	"	"	
	Other Oil	< 29.2		mg/kg dry	29.2	2.9	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 29.2		mg/kg dry	29.2	2.9	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 29.2		mg/kg dry	29.2	2.3	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*82*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.44		mg/kg dry	1.44	0.221	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	**2.20**		mg/kg dry	1.44	0.231	1	"	"	"	"	"	X
7440-39-3	Barium	**82.7**		mg/kg dry	0.958	0.231	1	"	"	07-Oct-11	"	"	X
7440-41-7	Beryllium	**0.681**		mg/kg dry	0.479	0.154	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.479		mg/kg dry	0.479	0.0529	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**20.4**		mg/kg dry	0.958	0.349	1	"	"	"	"	"	X
7440-50-8	Copper	**13.4**		mg/kg dry	0.958	0.108	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0326		mg/kg dry	0.0326	0.0067	1	SW846 7471B	"	11-Oct-11	EDT	1120489	X
7440-02-0	Nickel	**12.7**		mg/kg dry	0.958	0.0660	1	SW846 6010C	"	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**21.4**		mg/kg dry	1.44	0.170	1	"	"	"	"	"	X
7440-36-0	Antimony	< 4.79		mg/kg dry	4.79	0.211	1	"	"	07-Oct-11	"	"	X
7782-49-2	Selenium	< 1.44		mg/kg dry	1.44	0.212	1	"	"	07-Oct-11	"	"	X
7440-28-0	Thallium	< 2.87		mg/kg dry	2.87	0.236	1	"	"	"	"	"	X
7440-62-2	Vanadium	**23.2**		mg/kg dry	1.44	0.251	1	"	"	"	"	"	X
7440-66-6	Zinc	**34.1**		mg/kg dry	0.958	0.208	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**90.4**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120587	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI19-SB200 (8-9)-1	60225155.0100	Soil	02-Oct-11 10:19	03-Oct-11
SB36674-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.5		µg/kg dry	22.5	11.2	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 22.5		µg/kg dry	22.5	20.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.5		µg/kg dry	22.5	14.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.5		µg/kg dry	22.5	13.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.5		µg/kg dry	22.5	11.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.5		µg/kg dry	22.5	16.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.5		µg/kg dry	22.5	8.61	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.5		µg/kg dry	22.5	20.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.5		µg/kg dry	22.5	7.05	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A													
8006-61-9	Gasoline	< 29.8		mg/kg dry	29.8	1.5	1	CT ETPH	06-Oct-11	06-Oct-11	SEW	1120542	
68476-30-2	Fuel Oil #2	< 29.8		mg/kg dry	29.8	3.0	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 29.8		mg/kg dry	29.8	3.0	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 29.8		mg/kg dry	29.8	7.4	1	"	"	"	"	"	
M09800000	Motor Oil	< 29.8		mg/kg dry	29.8	3.0	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 29.8		mg/kg dry	29.8	7.4	1	"	"	"	"	"	
	Unidentified	< 29.8		mg/kg dry	29.8	7.4	1	"	"	"	"	"	
	Other Oil	< 29.8		mg/kg dry	29.8	3.0	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 29.8		mg/kg dry	29.8	3.0	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 29.8		mg/kg dry	29.8	2.3	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*94*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.57		mg/kg dry	1.57	0.242	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	**4.40**		mg/kg dry	1.57	0.253	1	"	"	"	"	"	X
7440-39-3	Barium	**244**		mg/kg dry	1.05	0.253	1	"	"	07-Oct-11	"	"	X
7440-41-7	Beryllium	**0.666**		mg/kg dry	0.524	0.168	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.524		mg/kg dry	0.524	0.0579	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**37.3**		mg/kg dry	1.05	0.382	1	"	"	"	"	"	X
7440-50-8	Copper	**13.9**		mg/kg dry	1.05	0.118	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0299		mg/kg dry	0.0299	0.0061	1	SW846 7471B	"	11-Oct-11	EDT	1120489	X
7440-02-0	Nickel	**15.0**		mg/kg dry	1.05	0.0722	1	SW846 6010C	"	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**33.5**		mg/kg dry	1.57	0.187	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.24		mg/kg dry	5.24	0.231	1	"	"	07-Oct-11	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI19-SB200 (8-9)-1	60225155.0100	Soil	02-Oct-11 10:19	03-Oct-11
SB36674-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7782-49-2	Selenium	< 1.57		mg/kg dry	1.57	0.232	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-28-0	Thallium	< 3.15		mg/kg dry	3.15	0.258	1	"	"	"	"	"	X
7440-62-2	Vanadium	**30.7**		mg/kg dry	1.57	0.275	1	"	"	"	"	"	X
7440-66-6	Zinc	**57.6**		mg/kg dry	1.05	0.228	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**89.0**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120587	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI19-SB200 (15-15.5)-1	60225155.0100	Soil	02-Oct-11 10:42	03-Oct-11
SB36674-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.5		µg/kg dry	21.5	10.8	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 21.5		µg/kg dry	21.5	19.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.5		µg/kg dry	21.5	13.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.5		µg/kg dry	21.5	12.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.5		µg/kg dry	21.5	10.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.5		µg/kg dry	21.5	15.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.5		µg/kg dry	21.5	8.25	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.5		µg/kg dry	21.5	20.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.5		µg/kg dry	21.5	6.76	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**89.0**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120587	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI19-SB200 (18-18.5)-1 SB36674-05	60225155.0100	Soil	02-Oct-11 10:45	03-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 76.2		µg/kg dry	76.2	38.1	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 76.2		µg/kg dry	76.2	68.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 76.2		µg/kg dry	76.2	49.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 76.2		µg/kg dry	76.2	44.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 76.2		µg/kg dry	76.2	37.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 76.2		µg/kg dry	76.2	55.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 76.2		µg/kg dry	76.2	29.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 76.2		µg/kg dry	76.2	71.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 76.2		µg/kg dry	76.2	23.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**25.1**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120587	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH19-SB201 (0-0.5)-2	60225155.0100	Soil	02-Oct-11 11:05	03-Oct-11
SB36674-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A													
319-84-6	alpha-BHC	< 5.11		µg/kg dry	5.11	2.18	1	SW846 8081B	06-Oct-11	07-Oct-11	DS	1120541	X
319-85-7	beta-BHC	< 5.11		µg/kg dry	5.11	2.03	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.11		µg/kg dry	5.11	2.38	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 5.11		µg/kg dry	5.11	2.11	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.11		µg/kg dry	5.11	2.08	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.11		µg/kg dry	5.11	5.01	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.11		µg/kg dry	5.11	1.94	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.11		µg/kg dry	5.11	2.48	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.11		µg/kg dry	5.11	1.62	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.11		µg/kg dry	5.11	1.96	1	"	"	"	"	"	X
72-20-8	Endrin	< 8.17		µg/kg dry	8.17	3.30	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 8.17		µg/kg dry	8.17	3.78	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 8.17		µg/kg dry	8.17	1.53	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 8.17		µg/kg dry	8.17	2.17	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 8.17		µg/kg dry	8.17	2.11	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 8.17		µg/kg dry	8.17	2.52	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 8.17		µg/kg dry	8.17	2.47	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 8.17		µg/kg dry	8.17	2.39	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.11		µg/kg dry	5.11	3.70	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	< 5.11	P	µg/kg dry	5.11	2.30	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 102		µg/kg dry	102	95.7	1	"	"	"	"	"	X
57-74-9	Chlordane	< 20.4		µg/kg dry	20.4	18.1	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.11		µg/kg dry	5.11	3.02	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*52*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*49*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*46*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*39*			*30-150 %*			"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 10.2		µg/kg dry	10.2	5.10	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 10.2		µg/kg dry	10.2	9.20	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 10.2		µg/kg dry	10.2	6.56	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.2		µg/kg dry	10.2	6.02	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 10.2		µg/kg dry	10.2	5.01	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 10.2		µg/kg dry	10.2	7.49	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 10.2		µg/kg dry	10.2	3.92	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 10.2		µg/kg dry	10.2	9.51	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 10.2		µg/kg dry	10.2	3.21	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH19-SB201 (0-0.5)-2 SB36674-06	60225155.0100	Soil	02-Oct-11 11:05	03-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**94.4**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120587	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH19-SB201 (0-0.5)-1	60225155.0100	Soil	02-Oct-11 11:05	03-Oct-11
SB36674-07				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A													
319-84-6	alpha-BHC	< 5.32		µg/kg dry	5.32	2.27	1	SW846 8081B	06-Oct-11	07-Oct-11	DS	1120541	X
319-85-7	beta-BHC	< 5.32		µg/kg dry	5.32	2.12	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.32		µg/kg dry	5.32	2.48	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 5.32		µg/kg dry	5.32	2.20	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.32		µg/kg dry	5.32	2.17	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.32		µg/kg dry	5.32	5.22	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.32		µg/kg dry	5.32	2.02	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.32		µg/kg dry	5.32	2.59	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.32		µg/kg dry	5.32	1.69	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.32		µg/kg dry	5.32	2.04	1	"	"	"	"	"	X
72-20-8	Endrin	< 8.51		µg/kg dry	8.51	3.44	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 8.51		µg/kg dry	8.51	3.94	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 8.51		µg/kg dry	8.51	2.56	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 8.51		µg/kg dry	8.51	2.26	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 8.51		µg/kg dry	8.51	2.20	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 8.51		µg/kg dry	8.51	2.63	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 8.51		µg/kg dry	8.51	2.57	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 8.51		µg/kg dry	8.51	2.49	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.32		µg/kg dry	5.32	3.85	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	< 5.32	P	µg/kg dry	5.32	2.39	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 106		µg/kg dry	106	99.7	1	"	"	"	"	"	X
57-74-9	Chlordane	< 21.3		µg/kg dry	21.3	18.9	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.32		µg/kg dry	5.32	3.15	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*57*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*51*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*43*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*35*			*30-150 %*			"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 10.6		µg/kg dry	10.6	5.32	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 10.6		µg/kg dry	10.6	9.59	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 10.6		µg/kg dry	10.6	6.83	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.6		µg/kg dry	10.6	6.27	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 10.6		µg/kg dry	10.6	5.22	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 10.6		µg/kg dry	10.6	7.80	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 10.6		µg/kg dry	10.6	4.08	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 10.6		µg/kg dry	10.6	9.91	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 10.6		µg/kg dry	10.6	3.34	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH19-SB201 (0-0.5)-1 SB36674-07	60225155.0100	Soil	02-Oct-11 11:05	03-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.6**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120587	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH19-SB201 (3-3.5)-1	60225155.0100	Soil	02-Oct-11 11:10	03-Oct-11
SB36674-08				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.63		mg/kg dry	1.63	0.252	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	**5.99**		mg/kg dry	1.63	0.263	1	"	"	"	"	"	X
7440-39-3	Barium	**241**		mg/kg dry	1.09	0.263	1	"	"	07-Oct-11	"	"	X
7440-41-7	Beryllium	**0.579**		mg/kg dry	0.545	0.175	1	"	"	"	"	"	X
7440-43-9	Cadmium	**0.643**		mg/kg dry	0.545	0.0602	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**80.1**		mg/kg dry	1.09	0.397	1	"	"	"	"	"	X
7440-50-8	Copper	**41.3**		mg/kg dry	1.09	0.122	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.114**		mg/kg dry	0.0301	0.0062	1	SW846 7471B	12-Oct-11	12-Oct-11	EDT	1120949	X
7440-02-0	Nickel	**37.5**		mg/kg dry	1.09	0.0751	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**67.1**		mg/kg dry	1.63	0.194	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.45		mg/kg dry	5.45	0.240	1	"	"	07-Oct-11	"	"	X
7782-49-2	Selenium	< 1.63		mg/kg dry	1.63	0.242	1	"	"	07-Oct-11	"	"	X
7440-28-0	Thallium	< 3.27		mg/kg dry	3.27	0.269	1	"	"	"	"	"	X
7440-62-2	Vanadium	**38.8**		mg/kg dry	1.63	0.286	1	"	"	"	"	"	X
7440-66-6	Zinc	**98.1**		mg/kg dry	1.09	0.237	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**87.4**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120587	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH19-SB201 (6-6.5)-1	60225155.0100	Soil	02-Oct-11 11:20	03-Oct-11
SB36674-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 25.7		µg/kg dry	25.7	12.8	1	SW846 8082A	06-Oct-11	11-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 25.7		µg/kg dry	25.7	16.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.7		µg/kg dry	25.7	20.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 25.7		µg/kg dry	25.7	10.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**3,870**	P	µg/kg dry	25.7	10.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 25.7		µg/kg dry	25.7	10.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**335**	P	µg/kg dry	25.7	11.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.7		µg/kg dry	25.7	24.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.7		µg/kg dry	25.7	12.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*15*	DC9		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	**3.32**		mg/kg dry	1.92	0.296	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	**29.8**		mg/kg dry	1.92	0.309	1	"	"	"	"	"	X
7440-39-3	Barium	**1,480**		mg/kg dry	1.28	0.310	1	"	"	07-Oct-11	"	"	X
7440-41-7	Beryllium	< 0.642		mg/kg dry	0.642	0.206	1	"	"	"	"	"	X
7440-43-9	Cadmium	**75.9**		mg/kg dry	0.642	0.0708	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**2,200**		mg/kg dry	1.28	0.468	1	"	"	"	"	"	X
7440-50-8	Copper	**537**		mg/kg dry	1.28	0.144	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.644**	GS1	mg/kg dry	0.195	0.0399	5	SW846 7471B	12-Oct-11	12-Oct-11	EDT	1120949	X
7440-02-0	Nickel	**458**		mg/kg dry	1.28	0.0884	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**5,010**		mg/kg dry	1.92	0.228	1	"	"	"	"	"	X
7440-36-0	Antimony	< 128	R01	mg/kg dry	128	5.65	20	"	"	07-Oct-11	"	"	X
7782-49-2	Selenium	**2.26**		mg/kg dry	1.92	0.284	1	"	"	07-Oct-11	"	"	X
7440-28-0	Thallium	< 3.85		mg/kg dry	3.85	0.316	1	"	"	"	"	"	X
7440-62-2	Vanadium	**30.8**		mg/kg dry	1.92	0.337	1	"	"	"	"	"	X
7440-66-6	Zinc	**5,010**	GS1	mg/kg dry	25.7	5.57	20	"	"	07-Oct-11	"	"	X
General Chemistry Parameters													
	% Solids	**73.0**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120587	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH19-SB201 (11-11.5)-1	60225155.0100	Soil	02-Oct-11 11:25	03-Oct-11
SB36674-10				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.8		µg/kg dry	23.8	11.9	1	SW846 8082A	06-Oct-11	11-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 23.8		µg/kg dry	23.8	21.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.8		µg/kg dry	23.8	15.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.8		µg/kg dry	23.8	14.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**1,240**		µg/kg dry	23.8	11.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.8		µg/kg dry	23.8	17.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**48.7**		µg/kg dry	23.8	10.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.8		µg/kg dry	23.8	22.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.8		µg/kg dry	23.8	7.46	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.73		mg/kg dry	1.73	0.267	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	**8.06**		mg/kg dry	1.73	0.278	1	"	"	"	"	"	X
7440-39-3	Barium	**654**		mg/kg dry	1.15	0.279	1	"	"	07-Oct-11	"	"	X
7440-41-7	Beryllium	< 0.577		mg/kg dry	0.577	0.185	1	"	"	"	"	"	X
7440-43-9	Cadmium	**0.998**		mg/kg dry	0.577	0.0637	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**25.1**		mg/kg dry	1.15	0.421	1	"	"	"	"	"	X
7440-50-8	Copper	**83.0**		mg/kg dry	1.15	0.130	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.250**		mg/kg dry	0.0362	0.0074	1	SW846 7471B	12-Oct-11	12-Oct-11	EDT	1120949	X
7440-02-0	Nickel	**18.5**		mg/kg dry	1.15	0.0795	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**266**		mg/kg dry	1.73	0.205	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.77		mg/kg dry	5.77	0.254	1	"	"	07-Oct-11	"	"	X
7782-49-2	Selenium	< 1.73		mg/kg dry	1.73	0.256	1	"	"	07-Oct-11	"	"	X
7440-28-0	Thallium	< 3.46		mg/kg dry	3.46	0.285	1	"	"	"	"	"	X
7440-62-2	Vanadium	**25.7**		mg/kg dry	1.73	0.303	1	"	"	"	"	"	X
7440-66-6	Zinc	**305**		mg/kg dry	1.15	0.251	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**80.5**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH19-SB201 (14.5-15)-1 SB36674-11	60225155.0100	Soil	02-Oct-11 11:28	03-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 70.5		µg/kg dry	70.5	35.2	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 70.5		µg/kg dry	70.5	63.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 70.5		µg/kg dry	70.5	45.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 70.5		µg/kg dry	70.5	41.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 70.5		µg/kg dry	70.5	34.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 70.5		µg/kg dry	70.5	51.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 70.5		µg/kg dry	70.5	27.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 70.5		µg/kg dry	70.5	65.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 70.5		µg/kg dry	70.5	22.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*35*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*30*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*35*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**28.1**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF21-SB202 (0-0.5)-1	60225155.0100	Soil	02-Oct-11 11:58	03-Oct-11
SB36674-12				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A													
319-84-6	alpha-BHC	< 5.42		µg/kg dry	5.42	2.31	1	SW846 8081B	06-Oct-11	07-Oct-11	DS	1120541	X
319-85-7	beta-BHC	< 5.42		µg/kg dry	5.42	2.16	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.42		µg/kg dry	5.42	2.52	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 5.42		µg/kg dry	5.42	2.24	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.42		µg/kg dry	5.42	2.21	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.42		µg/kg dry	5.42	5.32	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.42		µg/kg dry	5.42	2.06	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.42		µg/kg dry	5.42	2.63	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.42		µg/kg dry	5.42	1.72	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.42		µg/kg dry	5.42	2.08	1	"	"	"	"	"	X
72-20-8	Endrin	< 8.67		µg/kg dry	8.67	3.50	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 8.67		µg/kg dry	8.67	4.01	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 8.67		µg/kg dry	8.67	2.61	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 8.67		µg/kg dry	8.67	2.30	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 8.67		µg/kg dry	8.67	2.24	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 8.67		µg/kg dry	8.67	2.68	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 8.67		µg/kg dry	8.67	2.62	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 8.67		µg/kg dry	8.67	2.54	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.42		µg/kg dry	5.42	2.45	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	< 5.42		µg/kg dry	5.42	2.18	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 108		µg/kg dry	108	102	1	"	"	"	"	"	X
57-74-9	Chlordane	< 21.7		µg/kg dry	21.7	19.2	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.42		µg/kg dry	5.42	3.21	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*54*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*52*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*41*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*46*			*30-150 %*			"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 10.8		µg/kg dry	10.8	5.41	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 10.8		µg/kg dry	10.8	9.76	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 10.8		µg/kg dry	10.8	6.96	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.8		µg/kg dry	10.8	6.38	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 10.8		µg/kg dry	10.8	5.32	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 10.8		µg/kg dry	10.8	7.95	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 10.8		µg/kg dry	10.8	4.15	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 10.8		µg/kg dry	10.8	10.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 10.8		µg/kg dry	10.8	3.40	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF21-SB202 (0-0.5)-1	60225155.0100	Soil	02-Oct-11 11:58	03-Oct-11
SB36674-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.2**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF21-SB202 (3.0-3.5)-1	60225155.0100	Soil	02-Oct-11 12:00	03-Oct-11
SB36674-13				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 364		µg/kg dry	364	41.1	1	SW846 8270D	06-Oct-11	11-Oct-11	MSL	1120545	X
208-96-8	Acenaphthylene	< 364		µg/kg dry	364	41.8	1	"	"	"	"	"	X
120-12-7	Anthracene	< 364		µg/kg dry	364	42.9	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 364		µg/kg dry	364	42.4	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 364		µg/kg dry	364	48.2	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 364		µg/kg dry	364	44.0	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 364		µg/kg dry	364	55.9	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 364		µg/kg dry	364	64.5	1	"	"	"	"	"	X
218-01-9	Chrysene	< 364		µg/kg dry	364	43.5	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 364		µg/kg dry	364	50.4	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 364		µg/kg dry	364	66.7	1	"	"	"	"	"	X
86-73-7	Fluorene	< 364		µg/kg dry	364	46.4	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 364		µg/kg dry	364	67.4	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 364		µg/kg dry	364	53.5	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 364		µg/kg dry	364	43.1	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 364		µg/kg dry	364	36.9	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 364		µg/kg dry	364	41.1	1	"	"	"	"	"	X
129-00-0	Pyrene	< 364		µg/kg dry	364	73.3	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*67*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*69*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A													
8006-61-9	Gasoline	< 14.7		mg/kg dry	14.7	0.7	1	CT ETPH	06-Oct-11	06-Oct-11	SEW	1120542	
68476-30-2	Fuel Oil #2	< 14.7		mg/kg dry	14.7	1.5	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 14.7		mg/kg dry	14.7	1.5	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 14.7		mg/kg dry	14.7	3.7	1	"	"	"	"	"	
M09800000	Motor Oil	< 14.7		mg/kg dry	14.7	1.5	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 14.7		mg/kg dry	14.7	3.7	1	"	"	"	"	"	
	Unidentified	**42.1**		mg/kg dry	14.7	3.7	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	14.7	1.5	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**42.1**		mg/kg dry	14.7	1.5	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**42.1**		mg/kg dry	14.7	1.1	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*93*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.60		mg/kg dry	1.60	0.246	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	**4.79**		mg/kg dry	1.60	0.257	1	"	"	"	"	"	X
7440-39-3	Barium	**117**		mg/kg dry	1.07	0.257	1	"	"	08-Oct-11	"	"	X
7440-41-7	Beryllium	< 0.533		mg/kg dry	0.533	0.171	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.533		mg/kg dry	0.533	0.0588	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**26.7**		mg/kg dry	1.07	0.388	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF21-SB202 (3.0-3.5)-1	60225155.0100	Soil	02-Oct-11 12:00	03-Oct-11
SB36674-13				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-50-8	Copper	**18.5**		mg/kg dry	1.07	0.120	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7439-97-6	Mercury	**0.0572**		mg/kg dry	0.0310	0.0063	1	SW846 7471B	12-Oct-11	12-Oct-11	EDT	1120949	X
7440-02-0	Nickel	**19.8**		mg/kg dry	1.07	0.0734	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**61.0**		mg/kg dry	1.60	0.190	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.33		mg/kg dry	5.33	0.234	1	"	"	08-Oct-11	"	"	X
7782-49-2	Selenium	< 1.60		mg/kg dry	1.60	0.236	1	"	"	07-Oct-11	"	"	X
7440-28-0	Thallium	< 3.20		mg/kg dry	3.20	0.263	1	"	"	"	"	"	X
7440-62-2	Vanadium	**25.8**		mg/kg dry	1.60	0.279	1	"	"	"	"	"	X
7440-66-6	Zinc	**82.0**		mg/kg dry	1.07	0.231	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**90.4**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF21-SB202 (6.5-7.0)-1	60225155.0100	Soil	02-Oct-11 12:10	03-Oct-11
SB36674-14				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C			R01										
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 767		µg/kg dry	767	86.5	2	SW846 8270D	06-Oct-11	11-Oct-11	MSL	1120545	X
208-96-8	Acenaphthylene	< 767		µg/kg dry	767	87.9	2	"	"	"	"	"	X
120-12-7	Anthracene	< 767		µg/kg dry	767	90.2	2	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**1,020**		µg/kg dry	767	89.3	2	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**915**		µg/kg dry	767	101	2	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**848**		µg/kg dry	767	92.5	2	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 767		µg/kg dry	767	118	2	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 767		µg/kg dry	767	136	2	"	"	"	"	"	X
218-01-9	Chrysene	**888**		µg/kg dry	767	91.6	2	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 767		µg/kg dry	767	106	2	"	"	"	"	"	X
206-44-0	Fluoranthene	**2,090**		µg/kg dry	767	140	2	"	"	"	"	"	X
86-73-7	Fluorene	< 767		µg/kg dry	767	97.7	2	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 767		µg/kg dry	767	142	2	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 767		µg/kg dry	767	113	2	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 767		µg/kg dry	767	90.7	2	"	"	"	"	"	X
91-20-3	Naphthalene	< 767		µg/kg dry	767	77.7	2	"	"	"	"	"	X
85-01-8	Phenanthrene	**1,230**		µg/kg dry	767	86.5	2	"	"	"	"	"	X
129-00-0	Pyrene	**1,540**		µg/kg dry	767	154	2	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*58*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*53*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.8		µg/kg dry	22.8	11.4	1	SW846 8082A	06-Oct-11	11-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 22.8		µg/kg dry	22.8	14.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.8		µg/kg dry	22.8	17.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.8		µg/kg dry	22.8	8.96	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**4,030**	P	µg/kg dry	22.8	9.24	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.8		µg/kg dry	22.8	9.68	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**155**	P	µg/kg dry	22.8	10.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.8		µg/kg dry	22.8	21.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.8		µg/kg dry	22.8	11.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*10*	DC9		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons			R01										
Prepared by method SW846 3545A													
8006-61-9	Gasoline	< 77.3		mg/kg dry	77.3	3.9	5	CT ETPH	06-Oct-11	06-Oct-11	SEW	1120542	
68476-30-2	Fuel Oil #2	< 77.3		mg/kg dry	77.3	7.7	5	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF21-SB202 (6.5-7.0)-1	60225155.0100	Soil	02-Oct-11 12:10	03-Oct-11
SB36674-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A			R01										
68476-31-3	Fuel Oil #4	< 77.3		mg/kg dry	77.3	7.7	5	CT ETPH	06-Oct-11	06-Oct-11	SEW	1120542	
68553-00-4	Fuel Oil #6	< 77.3		mg/kg dry	77.3	19.3	5	"	"	"	"	"	
M09800000	Motor Oil	**Calculated as**		mg/kg dry	77.3	7.7	5	"	"	"	"	"	
J00100000	Aviation Fuel	< 77.3		mg/kg dry	77.3	19.3	5	"	"	"	"	"	
	Unidentified	**715**		mg/kg dry	77.3	19.3	5	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	77.3	7.7	5	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**715**		mg/kg dry	77.3	7.7	5	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**715**		mg/kg dry	77.3	6.0	5	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*105*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.62		mg/kg dry	1.62	0.249	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	**18.7**		mg/kg dry	1.62	0.260	1	"	"	"	"	"	X
7440-39-3	Barium	**547**		mg/kg dry	1.08	0.260	1	"	"	08-Oct-11	"	"	X
7440-41-7	Beryllium	< 0.539		mg/kg dry	0.539	0.173	1	"	"	"	"	"	X
7440-43-9	Cadmium	**4.29**		mg/kg dry	0.539	0.0595	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**54.8**		mg/kg dry	1.08	0.393	1	"	"	"	"	"	X
7440-50-8	Copper	**281**		mg/kg dry	1.08	0.121	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.394**		mg/kg dry	0.0343	0.0070	1	SW846 7471B	12-Oct-11	12-Oct-11	EDT	1120949	X
7440-02-0	Nickel	**72.4**		mg/kg dry	1.08	0.0743	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**1,830**		mg/kg dry	1.62	0.192	1	"	"	"	"	"	X
7440-36-0	Antimony	< 108	R01	mg/kg dry	108	4.74	20	"	"	08-Oct-11	"	"	X
7782-49-2	Selenium	**2.55**		mg/kg dry	1.62	0.239	1	"	"	07-Oct-11	"	"	X
7440-28-0	Thallium	< 3.23		mg/kg dry	3.23	0.266	1	"	"	"	"	"	X
7440-62-2	Vanadium	**82.6**		mg/kg dry	1.62	0.283	1	"	"	"	"	"	X
7440-66-6	Zinc	**2,500**	GS1	mg/kg dry	21.6	4.68	20	"	"	08-Oct-11	"	"	X
General Chemistry Parameters													
	% Solids	**85.6**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF21-SB202 (9-9.5)-1	60225155.0100	Soil	02-Oct-11 12:24	03-Oct-11
SB36674-15				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 28.9		µg/kg dry	28.9	14.4	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 28.9		µg/kg dry	28.9	26.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 28.9		µg/kg dry	28.9	18.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 28.9		µg/kg dry	28.9	17.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 28.9		µg/kg dry	28.9	14.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 28.9		µg/kg dry	28.9	21.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 28.9		µg/kg dry	28.9	11.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 28.9		µg/kg dry	28.9	26.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 28.9		µg/kg dry	28.9	9.08	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**68.8**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF21-SB202 (12-13)-1	60225155.0100	Soil	02-Oct-11 12:26	03-Oct-11
SB36674-16				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 86.5		µg/kg dry	86.5	43.2	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 86.5		µg/kg dry	86.5	78.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 86.5		µg/kg dry	86.5	55.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 86.5		µg/kg dry	86.5	51.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 86.5		µg/kg dry	86.5	42.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 86.5		µg/kg dry	86.5	63.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 86.5		µg/kg dry	86.5	33.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 86.5		µg/kg dry	86.5	80.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 86.5		µg/kg dry	86.5	27.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*35*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*35*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**22.8**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF23-SB203 (0-1)-1	60225155.0100	Soil	02-Oct-11 13:41	03-Oct-11
SB36674-17				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C			R01										
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 393		µg/kg dry	393	44.3	2	SW846 8270D	06-Oct-11	11-Oct-11	MSL	1120545	X
208-96-8	Acenaphthylene	< 393		µg/kg dry	393	45.0	2	"	"	"	"	"	X
120-12-7	Anthracene	< 393		µg/kg dry	393	46.2	2	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 393		µg/kg dry	393	45.7	2	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 393		µg/kg dry	393	51.9	2	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 393		µg/kg dry	393	47.4	2	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 393		µg/kg dry	393	60.2	2	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 393		µg/kg dry	393	69.5	2	"	"	"	"	"	X
218-01-9	Chrysene	< 393		µg/kg dry	393	46.9	2	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 393		µg/kg dry	393	54.3	2	"	"	"	"	"	X
206-44-0	Fluoranthene	< 393		µg/kg dry	393	71.9	2	"	"	"	"	"	X
86-73-7	Fluorene	< 393		µg/kg dry	393	50.0	2	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 393		µg/kg dry	393	72.6	2	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 393		µg/kg dry	393	57.6	2	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 393		µg/kg dry	393	46.4	2	"	"	"	"	"	X
91-20-3	Naphthalene	< 393		µg/kg dry	393	39.7	2	"	"	"	"	"	X
85-01-8	Phenanthrene	< 393		µg/kg dry	393	44.3	2	"	"	"	"	"	X
129-00-0	Pyrene	< 393		µg/kg dry	393	79.0	2	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*62*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*65*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.9		µg/kg dry	22.9	11.5	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 22.9		µg/kg dry	22.9	20.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.9		µg/kg dry	22.9	14.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.9		µg/kg dry	22.9	13.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.9		µg/kg dry	22.9	11.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.9		µg/kg dry	22.9	16.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.9		µg/kg dry	22.9	10.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.9		µg/kg dry	22.9	21.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.9		µg/kg dry	22.9	7.20	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.52		mg/kg dry	1.52	0.234	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	**4.88**		mg/kg dry	1.52	0.244	1	"	"	"	"	"	X
7440-39-3	Barium	**60.4**		mg/kg dry	1.01	0.245	1	"	"	08-Oct-11	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF23-SB203 (0-1)-1	60225155.0100	Soil	02-Oct-11 13:41	03-Oct-11
SB36674-17				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.507		mg/kg dry	0.507	0.163	1	SW846 6010C	05-Oct-11	08-Oct-11	ALT/A	1120488	X
7440-43-9	Cadmium	< 0.507		mg/kg dry	0.507	0.0560	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**20.6**		mg/kg dry	1.01	0.370	1	"	"	"	"	"	X
7440-50-8	Copper	**21.9**		mg/kg dry	1.01	0.114	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.0752**		mg/kg dry	0.0349	0.0071	1	SW846 7471B	12-Oct-11	12-Oct-11	EDT	1120949	X
7440-02-0	Nickel	**13.2**		mg/kg dry	1.01	0.0699	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**47.4**		mg/kg dry	1.52	0.180	1	"	"	"	"	"	X
7440-36-0	Antimony	**16.9**		mg/kg dry	5.07	0.223	1	"	"	08-Oct-11	"	"	X
7782-49-2	Selenium	< 1.52		mg/kg dry	1.52	0.225	1	"	"	07-Oct-11	"	"	X
7440-28-0	Thallium	< 3.04		mg/kg dry	3.04	0.250	1	"	"	"	"	"	X
7440-62-2	Vanadium	**23.7**		mg/kg dry	1.52	0.266	1	"	"	"	"	"	X
7440-66-6	Zinc	**65.6**		mg/kg dry	1.01	0.220	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**84.0**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF23-SB203 (8-9)-1	60225155.0100	Soil	02-Oct-11 13:24	03-Oct-11
SB36674-18				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 179		µg/kg dry	179	20.2	1	SW846 8270D	06-Oct-11	10-Oct-11	MSL	1120545	X
208-96-8	Acenaphthylene	< 179		µg/kg dry	179	20.5	1	"	"	"	"	"	X
120-12-7	Anthracene	< 179		µg/kg dry	179	21.1	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 179		µg/kg dry	179	20.9	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 179		µg/kg dry	179	23.7	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 179		µg/kg dry	179	21.6	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 179		µg/kg dry	179	27.5	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 179		µg/kg dry	179	31.7	1	"	"	"	"	"	X
218-01-9	Chrysene	< 179		µg/kg dry	179	21.4	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 179		µg/kg dry	179	24.8	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 179		µg/kg dry	179	32.8	1	"	"	"	"	"	X
86-73-7	Fluorene	< 179		µg/kg dry	179	22.8	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 179		µg/kg dry	179	33.2	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 179		µg/kg dry	179	26.3	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 179		µg/kg dry	179	21.2	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 179		µg/kg dry	179	18.2	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 179		µg/kg dry	179	20.2	1	"	"	"	"	"	X
129-00-0	Pyrene	< 179		µg/kg dry	179	36.1	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*76*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*84*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.6		µg/kg dry	21.6	10.8	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 21.6		µg/kg dry	21.6	19.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.6		µg/kg dry	21.6	13.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.6		µg/kg dry	21.6	12.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.6		µg/kg dry	21.6	10.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.6		µg/kg dry	21.6	15.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.6		µg/kg dry	21.6	8.27	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.6		µg/kg dry	21.6	20.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.6		µg/kg dry	21.6	6.77	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.53		mg/kg dry	1.53	0.236	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	< 1.53		mg/kg dry	1.53	0.247	1	"	"	"	"	"	X
7440-39-3	Barium	**105**		mg/kg dry	1.02	0.247	1	"	"	08-Oct-11	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF23-SB203 (8-9)-1	60225155.0100	Soil	02-Oct-11 13:24	03-Oct-11
SB36674-18				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	**0.844**		mg/kg dry	0.512	0.164	1	SW846 6010C	05-Oct-11	08-Oct-11	ALT/A	1120488	X
7440-43-9	Cadmium	< 0.512		mg/kg dry	0.512	0.0565	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**20.5**		mg/kg dry	1.02	0.373	1	"	"	"	"	"	X
7440-50-8	Copper	**11.6**		mg/kg dry	1.02	0.115	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0303		mg/kg dry	0.0303	0.0062	1	SW846 7471B	"	11-Oct-11	EDT	1120489	X
7440-02-0	Nickel	**13.0**		mg/kg dry	1.02	0.0705	1	SW846 6010C	"	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**6.32**		mg/kg dry	1.53	0.182	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.12		mg/kg dry	5.12	0.225	1	"	"	08-Oct-11	"	"	X
7782-49-2	Selenium	< 1.53		mg/kg dry	1.53	0.227	1	"	"	07-Oct-11	"	"	X
7440-28-0	Thallium	< 3.07		mg/kg dry	3.07	0.252	1	"	"	"	"	"	X
7440-62-2	Vanadium	**22.6**		mg/kg dry	1.53	0.268	1	"	"	"	"	"	X
7440-66-6	Zinc	**31.4**		mg/kg dry	1.02	0.222	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**91.7**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF23-SB203 (11.5-12)-1 SB36674-19	60225155.0100	Soil	02-Oct-11 13:32	03-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.6		µg/kg dry	20.6	10.3	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 20.6		µg/kg dry	20.6	18.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.6		µg/kg dry	20.6	13.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.6		µg/kg dry	20.6	12.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.6		µg/kg dry	20.6	10.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.6		µg/kg dry	20.6	15.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.6		µg/kg dry	20.6	7.90	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.6		µg/kg dry	20.6	19.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.6		µg/kg dry	20.6	6.47	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**91.5**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH23-SB204 (0-0.5)-1	60225155.0100	Soil	02-Oct-11 13:58	03-Oct-11
SB36674-20				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.3		µg/kg dry	21.3	10.7	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 21.3		µg/kg dry	21.3	19.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.3		µg/kg dry	21.3	13.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.3		µg/kg dry	21.3	12.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.3		µg/kg dry	21.3	10.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.3		µg/kg dry	21.3	15.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.3		µg/kg dry	21.3	8.18	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.3		µg/kg dry	21.3	19.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.3		µg/kg dry	21.3	6.70	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.5**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH23-SB204 (2-3)-1	60225155.0100	Soil	02-Oct-11 14:06	03-Oct-11
SB36674-21				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C			GS1										
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 9220		µg/kg dry	9220	1040	50	SW846 8270D	06-Oct-11	11-Oct-11	MSL	1120545	X
208-96-8	Acenaphthylene	< 9220		µg/kg dry	9220	1060	50	"	"	"	"	"	X
120-12-7	Anthracene	**10,000**		µg/kg dry	9220	1080	50	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**11,900**		µg/kg dry	9220	1070	50	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**10,300**		µg/kg dry	9220	1220	50	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**9,680**		µg/kg dry	9220	1110	50	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 9220		µg/kg dry	9220	1410	50	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 9220		µg/kg dry	9220	1630	50	"	"	"	"	"	X
218-01-9	Chrysene	**9,740**		µg/kg dry	9220	1100	50	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 9220		µg/kg dry	9220	1270	50	"	"	"	"	"	X
206-44-0	Fluoranthene	**30,900**		µg/kg dry	9220	1690	50	"	"	"	"	"	X
86-73-7	Fluorene	< 9220		µg/kg dry	9220	1170	50	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 9220		µg/kg dry	9220	1700	50	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 9220		µg/kg dry	9220	1350	50	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 9220		µg/kg dry	9220	1090	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 9220		µg/kg dry	9220	933	50	"	"	"	"	"	X
85-01-8	Phenanthrene	**34,300**		µg/kg dry	9220	1040	50	"	"	"	"	"	X
129-00-0	Pyrene	**21,600**		µg/kg dry	9220	1850	50	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*65*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*70*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.3		µg/kg dry	22.3	11.1	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 22.3		µg/kg dry	22.3	20.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.3		µg/kg dry	22.3	14.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.3		µg/kg dry	22.3	13.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.3		µg/kg dry	22.3	10.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.3		µg/kg dry	22.3	16.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.3		µg/kg dry	22.3	8.53	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.3		µg/kg dry	22.3	20.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.3		µg/kg dry	22.3	6.99	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.55		mg/kg dry	1.55	0.239	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	**3.01**		mg/kg dry	1.55	0.249	1	"	"	"	"	"	X
7440-39-3	Barium	**118**		mg/kg dry	1.03	0.250	1	"	"	08-Oct-11	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH23-SB204 (2-3)-1	60225155.0100	Soil	02-Oct-11 14:06	03-Oct-11
SB36674-21				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	**0.610**		mg/kg dry	0.517	0.166	1	SW846 6010C	05-Oct-11	08-Oct-11	ALT/A	1120488	X
7440-43-9	Cadmium	< 0.517		mg/kg dry	0.517	0.0570	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**24.4**		mg/kg dry	1.03	0.377	1	"	"	"	"	"	X
7440-50-8	Copper	**15.3**		mg/kg dry	1.03	0.116	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.0328**		mg/kg dry	0.0321	0.0066	1	SW846 7471B	12-Oct-11	12-Oct-11	EDT	1120949	X
7440-02-0	Nickel	**14.3**		mg/kg dry	1.03	0.0712	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**33.8**		mg/kg dry	1.55	0.184	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.17		mg/kg dry	5.17	0.227	1	"	"	08-Oct-11	"	"	X
7782-49-2	Selenium	< 1.55		mg/kg dry	1.55	0.229	1	"	"	07-Oct-11	"	"	X
7440-28-0	Thallium	< 3.10		mg/kg dry	3.10	0.255	1	"	"	"	"	"	X
7440-62-2	Vanadium	**25.3**		mg/kg dry	1.55	0.271	1	"	"	"	"	"	X
7440-66-6	Zinc	**54.6**		mg/kg dry	1.03	0.224	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**89.1**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH23-SB204 (7-8)-1	60225155.0100	Soil	02-Oct-11 14:12	03-Oct-11
SB36674-22				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 179		µg/kg dry	179	20.2	1	SW846 8270D	06-Oct-11	10-Oct-11	MSL	1120545	X
208-96-8	Acenaphthylene	< 179		µg/kg dry	179	20.6	1	"	"	"	"	"	X
120-12-7	Anthracene	< 179		µg/kg dry	179	21.1	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 179		µg/kg dry	179	20.9	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 179		µg/kg dry	179	23.7	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 179		µg/kg dry	179	21.6	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 179		µg/kg dry	179	27.5	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 179		µg/kg dry	179	31.8	1	"	"	"	"	"	X
218-01-9	Chrysene	< 179		µg/kg dry	179	21.4	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 179		µg/kg dry	179	24.8	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 179		µg/kg dry	179	32.8	1	"	"	"	"	"	X
86-73-7	Fluorene	< 179		µg/kg dry	179	22.8	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 179		µg/kg dry	179	33.2	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 179		µg/kg dry	179	26.3	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 179		µg/kg dry	179	21.2	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 179		µg/kg dry	179	18.2	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 179		µg/kg dry	179	20.2	1	"	"	"	"	"	X
129-00-0	Pyrene	< 179		µg/kg dry	179	36.1	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*75*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*79*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.7		µg/kg dry	21.7	10.9	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 21.7		µg/kg dry	21.7	19.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.7		µg/kg dry	21.7	14.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.7		µg/kg dry	21.7	12.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.7		µg/kg dry	21.7	10.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.7		µg/kg dry	21.7	15.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.7		µg/kg dry	21.7	8.33	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.7		µg/kg dry	21.7	20.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.7		µg/kg dry	21.7	6.83	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.59		mg/kg dry	1.59	0.244	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	**1.90**		mg/kg dry	1.59	0.255	1	"	"	"	"	"	X
7440-39-3	Barium	**74.7**		mg/kg dry	1.06	0.255	1	"	"	08-Oct-11	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH23-SB204 (7-8)-1	60225155.0100	Soil	02-Oct-11 14:12	03-Oct-11
SB36674-22				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	**0.648**		mg/kg dry	0.528	0.169	1	SW846 6010C	05-Oct-11	08-Oct-11	ALT/A	1120488	X
7440-43-9	Cadmium	< 0.528		mg/kg dry	0.528	0.0583	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**13.5**		mg/kg dry	1.06	0.385	1	"	"	"	"	"	X
7440-50-8	Copper	**7.74**		mg/kg dry	1.06	0.119	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0296		mg/kg dry	0.0296	0.0061	1	SW846 7471B	"	11-Oct-11	EDT	1120489	X
7440-02-0	Nickel	**7.73**		mg/kg dry	1.06	0.0728	1	SW846 6010C	"	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**5.60**		mg/kg dry	1.59	0.188	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.28		mg/kg dry	5.28	0.232	1	"	"	08-Oct-11	"	"	X
7782-49-2	Selenium	< 1.59		mg/kg dry	1.59	0.234	1	"	"	07-Oct-11	"	"	X
7440-28-0	Thallium	< 3.17		mg/kg dry	3.17	0.261	1	"	"	"	"	"	X
7440-62-2	Vanadium	**15.4**		mg/kg dry	1.59	0.277	1	"	"	"	"	"	X
7440-66-6	Zinc	**22.4**		mg/kg dry	1.06	0.230	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**91.6**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH23-SB204 (15.5-16)-1 SB36674-24	60225155.0100	Soil	02-Oct-11 14:28	03-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.6		µg/kg dry	22.6	11.3	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120539	X
11104-28-2	Aroclor-1221	< 22.6		µg/kg dry	22.6	20.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.6		µg/kg dry	22.6	14.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.6		µg/kg dry	22.6	13.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.6		µg/kg dry	22.6	11.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.6		µg/kg dry	22.6	16.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.6		µg/kg dry	22.6	8.66	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.6		µg/kg dry	22.6	21.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.6		µg/kg dry	22.6	7.09	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**87.2**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI22-SB205 (0-1)-1	60225155.0100	Soil	02-Oct-11 14:40	03-Oct-11
SB36674-25				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides SW846 8081A													
Prepared by method SW846 3545A													
319-84-6	alpha-BHC	< 5.29		µg/kg dry	5.29	2.25	1	SW846 8081B	06-Oct-11	07-Oct-11	DS	1120541	X
319-85-7	beta-BHC	< 5.29		µg/kg dry	5.29	2.10	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.29		µg/kg dry	5.29	2.46	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 5.29		µg/kg dry	5.29	2.19	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.29		µg/kg dry	5.29	2.16	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.29		µg/kg dry	5.29	5.19	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.29		µg/kg dry	5.29	2.01	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.29		µg/kg dry	5.29	2.57	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.29		µg/kg dry	5.29	1.68	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.29		µg/kg dry	5.29	2.03	1	"	"	"	"	"	X
72-20-8	Endrin	< 8.46		µg/kg dry	8.46	3.42	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 8.46		µg/kg dry	8.46	3.91	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 8.46		µg/kg dry	8.46	2.55	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 8.46		µg/kg dry	8.46	2.24	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 8.46		µg/kg dry	8.46	2.19	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 8.46		µg/kg dry	8.46	2.61	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 8.46		µg/kg dry	8.46	2.56	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 8.46		µg/kg dry	8.46	2.48	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.29		µg/kg dry	5.29	2.39	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	< 5.29		µg/kg dry	5.29	2.13	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 106		µg/kg dry	106	99.1	1	"	"	"	"	"	X
57-74-9	Chlordane	< 21.2		µg/kg dry	21.2	18.7	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.29		µg/kg dry	5.29	3.13	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*56*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*63*			*30-150 %*			"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 10.6		µg/kg dry	10.6	5.28	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120540	X
11104-28-2	Aroclor-1221	< 10.6		µg/kg dry	10.6	9.53	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 10.6		µg/kg dry	10.6	6.79	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.6		µg/kg dry	10.6	6.23	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 10.6		µg/kg dry	10.6	5.19	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 10.6		µg/kg dry	10.6	7.76	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 10.6		µg/kg dry	10.6	4.05	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 10.6		µg/kg dry	10.6	9.85	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 10.6		µg/kg dry	10.6	3.32	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI22-SB205 (0-1)-1	60225155.0100	Soil	02-Oct-11 14:40	03-Oct-11
SB36674-25				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120540	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**91.1**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI22-SB205 (2-3)-1	60225155.0100	Soil	02-Oct-11 14:50	03-Oct-11
SB36674-26				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 184		µg/kg dry	184	20.8	1	SW846 8270D	06-Oct-11	11-Oct-11	MSL	1120545	X
208-96-8	Acenaphthylene	< 184		µg/kg dry	184	21.1	1	"	"	"	"	"	X
120-12-7	Anthracene	< 184		µg/kg dry	184	21.7	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 184		µg/kg dry	184	21.4	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 184		µg/kg dry	184	24.3	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 184		µg/kg dry	184	22.2	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 184		µg/kg dry	184	28.2	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 184		µg/kg dry	184	32.6	1	"	"	"	"	"	X
218-01-9	Chrysene	< 184		µg/kg dry	184	22.0	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 184		µg/kg dry	184	25.5	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 184		µg/kg dry	184	33.7	1	"	"	"	"	"	X
86-73-7	Fluorene	< 184		µg/kg dry	184	23.4	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 184		µg/kg dry	184	34.1	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 184		µg/kg dry	184	27.0	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 184		µg/kg dry	184	21.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 184		µg/kg dry	184	18.6	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 184		µg/kg dry	184	20.8	1	"	"	"	"	"	X
129-00-0	Pyrene	< 184		µg/kg dry	184	37.1	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*75*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*81*			*30-130 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.46		mg/kg dry	1.46	0.224	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	**4.25**		mg/kg dry	1.46	0.234	1	"	"	"	"	"	X
7440-39-3	Barium	**96.7**		mg/kg dry	0.971	0.235	1	"	"	08-Oct-11	"	"	X
7440-41-7	Beryllium	**0.656**		mg/kg dry	0.486	0.156	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.486		mg/kg dry	0.486	0.0536	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**25.8**		mg/kg dry	0.971	0.354	1	"	"	"	"	"	X
7440-50-8	Copper	**15.8**		mg/kg dry	0.971	0.109	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.0393**		mg/kg dry	0.0321	0.0066	1	SW846 7471B	12-Oct-11	12-Oct-11	EDT	1120949	X
7440-02-0	Nickel	**14.3**		mg/kg dry	0.971	0.0669	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**27.9**		mg/kg dry	1.46	0.173	1	"	"	"	"	"	X
7440-36-0	Antimony	< 4.86		mg/kg dry	4.86	0.214	1	"	"	08-Oct-11	"	"	X
7782-49-2	Selenium	< 1.46		mg/kg dry	1.46	0.215	1	"	"	07-Oct-11	"	"	X
7440-28-0	Thallium	< 2.91		mg/kg dry	2.91	0.239	1	"	"	"	"	"	X
7440-62-2	Vanadium	**27.2**		mg/kg dry	1.46	0.255	1	"	"	"	"	"	X
7440-66-6	Zinc	**40.4**		mg/kg dry	0.971	0.211	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**89.3**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI22-SB205 (6-7)-1	60225155.0100	Soil	02-Oct-11 15:00	03-Oct-11
SB36674-27				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 31.2		µg/kg dry	31.2	15.6	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120540	X
11104-28-2	Aroclor-1221	< 31.2		µg/kg dry	31.2	28.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 31.2		µg/kg dry	31.2	20.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 31.2		µg/kg dry	31.2	18.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 31.2		µg/kg dry	31.2	15.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 31.2		µg/kg dry	31.2	22.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 31.2		µg/kg dry	31.2	12.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 31.2		µg/kg dry	31.2	29.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 31.2		µg/kg dry	31.2	9.81	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 2.10		mg/kg dry	2.10	0.324	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	**2.44**		mg/kg dry	2.10	0.338	1	"	"	"	"	"	X
7440-39-3	Barium	**166**		mg/kg dry	1.40	0.339	1	"	"	08-Oct-11	"	"	X
7440-41-7	Beryllium	**1.26**		mg/kg dry	0.701	0.225	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.701		mg/kg dry	0.701	0.0774	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**19.2**		mg/kg dry	1.40	0.511	1	"	"	"	"	"	X
7440-50-8	Copper	**8.42**		mg/kg dry	1.40	0.158	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.0586**		mg/kg dry	0.0447	0.0091	1	SW846 7471B	12-Oct-11	12-Oct-11	EDT	1120949	X
7440-02-0	Nickel	**11.3**		mg/kg dry	1.40	0.0966	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**56.7**		mg/kg dry	2.10	0.250	1	"	"	"	"	"	X
7440-36-0	Antimony	< 7.01		mg/kg dry	7.01	0.309	1	"	"	08-Oct-11	"	"	X
7782-49-2	Selenium	< 2.10		mg/kg dry	2.10	0.311	1	"	"	07-Oct-11	"	"	X
7440-28-0	Thallium	< 4.21		mg/kg dry	4.21	0.346	1	"	"	"	"	"	X
7440-62-2	Vanadium	**17.8**		mg/kg dry	2.10	0.368	1	"	"	"	"	"	X
7440-66-6	Zinc	**12.6**		mg/kg dry	1.40	0.305	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**63.0**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI22-SB205 (9-10)-1	60225155.0100	Soil	02-Oct-11 15:05	03-Oct-11
SB36674-28				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 178		µg/kg dry	178	20.1	1	SW846 8270D	06-Oct-11	11-Oct-11	MSL	1120545	X
208-96-8	Acenaphthylene	< 178		µg/kg dry	178	20.4	1	"	"	"	"	"	X
120-12-7	Anthracene	< 178		µg/kg dry	178	20.9	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 178		µg/kg dry	178	20.7	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 178		µg/kg dry	178	23.5	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 178		µg/kg dry	178	21.5	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 178		µg/kg dry	178	27.3	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 178		µg/kg dry	178	31.5	1	"	"	"	"	"	X
218-01-9	Chrysene	< 178		µg/kg dry	178	21.3	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 178		µg/kg dry	178	24.6	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 178		µg/kg dry	178	32.6	1	"	"	"	"	"	X
86-73-7	Fluorene	< 178		µg/kg dry	178	22.7	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 178		µg/kg dry	178	32.9	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 178		µg/kg dry	178	26.1	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 178		µg/kg dry	178	21.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 178		µg/kg dry	178	18.0	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 178		µg/kg dry	178	20.1	1	"	"	"	"	"	X
129-00-0	Pyrene	< 178		µg/kg dry	178	35.8	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*79*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*83*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.6		µg/kg dry	21.6	10.8	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120540	X
11104-28-2	Aroclor-1221	< 21.6		µg/kg dry	21.6	19.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.6		µg/kg dry	21.6	13.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.6		µg/kg dry	21.6	12.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.6		µg/kg dry	21.6	10.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.6		µg/kg dry	21.6	15.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.6		µg/kg dry	21.6	8.27	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.6		µg/kg dry	21.6	20.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.6		µg/kg dry	21.6	6.78	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**91.9**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI22-SB205 (15-16)-1	60225155.0100	Soil	02-Oct-11 15:10	03-Oct-11
SB36674-29				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.3		µg/kg dry	21.3	10.7	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120540	X
11104-28-2	Aroclor-1221	< 21.3		µg/kg dry	21.3	19.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.3		µg/kg dry	21.3	13.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.3		µg/kg dry	21.3	12.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.3		µg/kg dry	21.3	10.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.3		µg/kg dry	21.3	15.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.3		µg/kg dry	21.3	8.17	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.3		µg/kg dry	21.3	19.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.3		µg/kg dry	21.3	6.69	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**88.5**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AJ23-SB207 (0-.5)-1	60225155.0100	Soil	02-Oct-11 16:35	03-Oct-11
SB36674-30				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.2		µg/kg dry	20.2	10.1	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120540	X
11104-28-2	Aroclor-1221	< 20.2		µg/kg dry	20.2	18.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.2		µg/kg dry	20.2	13.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.2		µg/kg dry	20.2	11.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.2		µg/kg dry	20.2	9.91	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.2		µg/kg dry	20.2	14.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.2		µg/kg dry	20.2	7.74	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.2		µg/kg dry	20.2	18.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.2		µg/kg dry	20.2	6.34	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.5**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AJ23-SB207 (2.5-3)-1	60225155.0100	Soil	02-Oct-11 16:40	03-Oct-11
SB36674-31				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 394		µg/kg dry	394	44.5	1	SW846 8270D	06-Oct-11	11-Oct-11	MSL	1120545	X
208-96-8	Acenaphthylene	< 394		µg/kg dry	394	45.2	1	"	"	"	"	"	X
120-12-7	Anthracene	< 394		µg/kg dry	394	46.4	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 394		µg/kg dry	394	45.9	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 394		µg/kg dry	394	52.1	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 394		µg/kg dry	394	47.6	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 394		µg/kg dry	394	60.5	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 394		µg/kg dry	394	69.8	1	"	"	"	"	"	X
218-01-9	Chrysene	< 394		µg/kg dry	394	47.1	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 394		µg/kg dry	394	54.5	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 394		µg/kg dry	394	72.2	1	"	"	"	"	"	X
86-73-7	Fluorene	< 394		µg/kg dry	394	50.2	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 394		µg/kg dry	394	72.9	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 394		µg/kg dry	394	57.8	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 394		µg/kg dry	394	46.6	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 394		µg/kg dry	394	39.9	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 394		µg/kg dry	394	44.5	1	"	"	"	"	"	X
129-00-0	Pyrene	< 394		µg/kg dry	394	79.4	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*58*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*61*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A													
8006-61-9	Gasoline	< 15.9		mg/kg dry	15.9	0.8	1	CT ETPH	06-Oct-11	06-Oct-11	SEW	1120542	
68476-30-2	Fuel Oil #2	< 15.9		mg/kg dry	15.9	1.6	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 15.9		mg/kg dry	15.9	1.6	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 15.9		mg/kg dry	15.9	4.0	1	"	"	"	"	"	
M09800000	Motor Oil	< 15.9		mg/kg dry	15.9	1.6	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 15.9		mg/kg dry	15.9	4.0	1	"	"	"	"	"	
	Unidentified	**33.3**		mg/kg dry	15.9	4.0	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	15.9	1.6	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**33.3**		mg/kg dry	15.9	1.6	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**33.3**		mg/kg dry	15.9	1.2	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*76*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.67		mg/kg dry	1.67	0.256	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	**3.96**		mg/kg dry	1.67	0.268	1	"	"	"	"	"	X
7440-39-3	Barium	**83.5**		mg/kg dry	1.11	0.268	1	"	"	08-Oct-11	"	"	X
7440-41-7	Beryllium	**0.613**		mg/kg dry	0.555	0.178	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.555		mg/kg dry	0.555	0.0613	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**19.2**		mg/kg dry	1.11	0.405	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AJ23-SB207 (2.5-3)-1 SB36674-31	60225155.0100	Soil	02-Oct-11 16:40	03-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-50-8	Copper	**10.5**		mg/kg dry	1.11	0.125	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7439-97-6	Mercury	**0.0542**		mg/kg dry	0.0325	0.0067	1	SW846 7471B	12-Oct-11	12-Oct-11	EDT	1120949	X
7440-02-0	Nickel	**10.1**		mg/kg dry	1.11	0.0765	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**27.3**		mg/kg dry	1.67	0.198	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.55		mg/kg dry	5.55	0.244	1	"	"	08-Oct-11	"	"	X
7782-49-2	Selenium	< 1.67		mg/kg dry	1.67	0.246	1	"	"	07-Oct-11	"	"	X
7440-28-0	Thallium	< 3.33		mg/kg dry	3.33	0.274	1	"	"	"	"	"	X
7440-62-2	Vanadium	**21.1**		mg/kg dry	1.67	0.291	1	"	"	"	"	"	X
7440-66-6	Zinc	**37.9**		mg/kg dry	1.11	0.241	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**82.6**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120590	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AJ23-SB207 (2.5-3)-2	60225155.0100	Soil	02-Oct-11 16:40	03-Oct-11
SB36674-32				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 400		µg/kg dry	400	45.1	1	SW846 8270D	06-Oct-11	11-Oct-11	ML	1120545	X
208-96-8	Acenaphthylene	< 400		µg/kg dry	400	45.8	1	"	"	"	"	"	X
120-12-7	Anthracene	< 400		µg/kg dry	400	47.0	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 400		µg/kg dry	400	46.5	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 400		µg/kg dry	400	52.8	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 400		µg/kg dry	400	48.2	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 400		µg/kg dry	400	61.3	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 400		µg/kg dry	400	70.7	1	"	"	"	"	"	X
218-01-9	Chrysene	< 400		µg/kg dry	400	47.7	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 400		µg/kg dry	400	55.2	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 400		µg/kg dry	400	73.2	1	"	"	"	"	"	X
86-73-7	Fluorene	< 400		µg/kg dry	400	50.9	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 400		µg/kg dry	400	73.9	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 400		µg/kg dry	400	58.6	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 400		µg/kg dry	400	47.2	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 400		µg/kg dry	400	40.5	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 400		µg/kg dry	400	45.1	1	"	"	"	"	"	X
129-00-0	Pyrene	< 400		µg/kg dry	400	80.4	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*78*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*67*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A													
8006-61-9	Gasoline	< 16.1		mg/kg dry	16.1	0.8	1	CT ETPH	06-Oct-11	06-Oct-11	SEW	1120542	
68476-30-2	Fuel Oil #2	< 16.1		mg/kg dry	16.1	1.6	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 16.1		mg/kg dry	16.1	1.6	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 16.1		mg/kg dry	16.1	4.0	1	"	"	"	"	"	
M09800000	Motor Oil	< 16.1		mg/kg dry	16.1	1.6	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 16.1		mg/kg dry	16.1	4.0	1	"	"	"	"	"	
	Unidentified	**35.6**		mg/kg dry	16.1	4.0	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	16.1	1.6	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**35.6**		mg/kg dry	16.1	1.6	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**35.6**		mg/kg dry	16.1	1.3	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*90*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.56		mg/kg dry	1.56	0.240	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	**3.15**		mg/kg dry	1.56	0.251	1	"	"	"	"	"	X
7440-39-3	Barium	**73.0**		mg/kg dry	1.04	0.251	1	"	"	08-Oct-11	"	"	X
7440-41-7	Beryllium	< 0.520		mg/kg dry	0.520	0.167	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.520		mg/kg dry	0.520	0.0574	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**15.9**		mg/kg dry	1.04	0.379	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AJ23-SB207 (2.5-3)-2	60225155.0100	Soil	02-Oct-11 16:40	03-Oct-11
SB36674-32				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-50-8	Copper	**10.6**		mg/kg dry	1.04	0.117	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7439-97-6	Mercury	**0.0590**		mg/kg dry	0.0366	0.0075	1	SW846 7471B	12-Oct-11	12-Oct-11	EDT	1120949	X
7440-02-0	Nickel	**8.69**		mg/kg dry	1.04	0.0716	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**26.2**		mg/kg dry	1.56	0.185	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.20		mg/kg dry	5.20	0.229	1	"	"	08-Oct-11	"	"	X
7782-49-2	Selenium	< 1.56		mg/kg dry	1.56	0.230	1	"	"	07-Oct-11	"	"	X
7440-28-0	Thallium	< 3.12		mg/kg dry	3.12	0.256	1	"	"	"	"	"	X
7440-62-2	Vanadium	**18.0**		mg/kg dry	1.56	0.273	1	"	"	"	"	"	X
7440-66-6	Zinc	**34.9**		mg/kg dry	1.04	0.226	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**81.5**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120590	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AJ23-SB207 (6-6.5)-1	60225155.0100	Soil	02-Oct-11 16:45	03-Oct-11
SB36674-33				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 359		µg/kg dry	359	40.5	1	SW846 8270D	06-Oct-11	11-Oct-11	ML	1120545	X
208-96-8	Acenaphthylene	< 359		µg/kg dry	359	41.1	1	"	"	"	"	"	X
120-12-7	Anthracene	< 359		µg/kg dry	359	42.2	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 359		µg/kg dry	359	41.8	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 359		µg/kg dry	359	47.5	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 359		µg/kg dry	359	43.3	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 359		µg/kg dry	359	55.1	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 359		µg/kg dry	359	63.6	1	"	"	"	"	"	X
218-01-9	Chrysene	< 359		µg/kg dry	359	42.9	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 359		µg/kg dry	359	49.6	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 359		µg/kg dry	359	65.7	1	"	"	"	"	"	X
86-73-7	Fluorene	< 359		µg/kg dry	359	45.7	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 359		µg/kg dry	359	66.4	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 359		µg/kg dry	359	52.7	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 359		µg/kg dry	359	42.4	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 359		µg/kg dry	359	36.4	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 359		µg/kg dry	359	40.5	1	"	"	"	"	"	X
129-00-0	Pyrene	< 359		µg/kg dry	359	72.3	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*94*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*84*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.9		µg/kg dry	20.9	10.4	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120540	X
11104-28-2	Aroclor-1221	< 20.9		µg/kg dry	20.9	18.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.9		µg/kg dry	20.9	13.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.9		µg/kg dry	20.9	12.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.9		µg/kg dry	20.9	10.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.9		µg/kg dry	20.9	15.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.9		µg/kg dry	20.9	8.01	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.9		µg/kg dry	20.9	19.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.9		µg/kg dry	20.9	6.56	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A			R01										
8006-61-9	Gasoline	< 29.0		mg/kg dry	29.0	1.4	2	CT ETPH	06-Oct-11	06-Oct-11	SEW	1120542	
68476-30-2	Fuel Oil #2	< 29.0		mg/kg dry	29.0	2.9	2	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AJ23-SB207 (6-6.5)-1	60225155.0100	Soil	02-Oct-11 16:45	03-Oct-11
SB36674-33				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A			R01										
68476-31-3	Fuel Oil #4	< 29.0		mg/kg dry	29.0	2.9	2	CT ETPH	06-Oct-11	06-Oct-11	SEW	1120542	
68553-00-4	Fuel Oil #6	< 29.0		mg/kg dry	29.0	7.2	2	"	"	"	"	"	
M09800000	Motor Oil	< 29.0		mg/kg dry	29.0	2.9	2	"	"	"	"	"	
J00100000	Aviation Fuel	< 29.0		mg/kg dry	29.0	7.2	2	"	"	"	"	"	
	Unidentified	**44.8**		mg/kg dry	29.0	7.2	2	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	29.0	2.9	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**44.8**		mg/kg dry	29.0	2.9	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**44.8**		mg/kg dry	29.0	2.3	2	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*101*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.50		mg/kg dry	1.50	0.230	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	**1.63**		mg/kg dry	1.50	0.240	1	"	"	"	"	"	X
7440-39-3	Barium	**66.9**		mg/kg dry	0.997	0.241	1	"	"	08-Oct-11	"	"	X
7440-41-7	Beryllium	**0.735**		mg/kg dry	0.498	0.160	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.498		mg/kg dry	0.498	0.0550	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**16.0**		mg/kg dry	0.997	0.363	1	"	"	"	"	"	X
7440-50-8	Copper	**14.0**		mg/kg dry	0.997	0.112	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0311		mg/kg dry	0.0311	0.0064	1	SW846 7471B	"	11-Oct-11	EDT	1120489	X
7440-02-0	Nickel	**7.65**		mg/kg dry	0.997	0.0687	1	SW846 6010C	"	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**6.83**		mg/kg dry	1.50	0.177	1	"	"	"	"	"	X
7440-36-0	Antimony	< 4.98		mg/kg dry	4.98	0.219	1	"	"	08-Oct-11	"	"	X
7782-49-2	Selenium	< 1.50		mg/kg dry	1.50	0.221	1	"	"	07-Oct-11	"	"	X
7440-28-0	Thallium	< 2.99		mg/kg dry	2.99	0.246	1	"	"	"	"	"	X
7440-62-2	Vanadium	**18.9**		mg/kg dry	1.50	0.261	1	"	"	"	"	"	X
7440-66-6	Zinc	**24.6**		mg/kg dry	0.997	0.217	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**91.4**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120590	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AJ23-SB207 (13-13.5)-1	60225155.0100	Soil	02-Oct-11 16:50	03-Oct-11
SB36674-34				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.2		µg/kg dry	20.2	10.1	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120540	X
11104-28-2	Aroclor-1221	< 20.2		µg/kg dry	20.2	18.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.2		µg/kg dry	20.2	13.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.2		µg/kg dry	20.2	11.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.2		µg/kg dry	20.2	9.90	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.2		µg/kg dry	20.2	14.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.2		µg/kg dry	20.2	7.73	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.2		µg/kg dry	20.2	18.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.2		µg/kg dry	20.2	6.33	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.3**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120590	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21-SB206 (0-0.5)-1	60225155.0100	Soil	02-Oct-11 15:45	03-Oct-11
SB36674-35				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A													
319-84-6	alpha-BHC	< 5.44		µg/kg dry	5.44	2.32	1	SW846 8081B	06-Oct-11	07-Oct-11	DS	1120541	X
319-85-7	beta-BHC	< 5.44		µg/kg dry	5.44	2.16	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.44		µg/kg dry	5.44	2.53	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 5.44		µg/kg dry	5.44	2.25	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.44		µg/kg dry	5.44	2.22	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.44		µg/kg dry	5.44	5.34	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.44		µg/kg dry	5.44	2.07	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.44		µg/kg dry	5.44	2.64	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.44		µg/kg dry	5.44	1.73	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.44		µg/kg dry	5.44	2.09	1	"	"	"	"	"	X
72-20-8	Endrin	< 8.70		µg/kg dry	8.70	3.51	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 8.70		µg/kg dry	8.70	4.02	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 8.70		µg/kg dry	8.70	2.62	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 8.70		µg/kg dry	8.70	2.31	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 8.70		µg/kg dry	8.70	2.25	1	"	"	"	"	"	X
72-43-5	Methoxychlor	**30.5**		µg/kg dry	8.70	2.69	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 8.70		µg/kg dry	8.70	2.63	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 8.70		µg/kg dry	8.70	2.55	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.44		µg/kg dry	5.44	2.46	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	< 5.44		µg/kg dry	5.44	2.19	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 109		µg/kg dry	109	102	1	"	"	"	"	"	X
57-74-9	Chlordane	< 21.8		µg/kg dry	21.8	19.3	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.44		µg/kg dry	5.44	3.22	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*61*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*59*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*51*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 10.9		µg/kg dry	10.9	5.43	1	SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120540	X
11104-28-2	Aroclor-1221	< 10.9		µg/kg dry	10.9	9.80	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 10.9		µg/kg dry	10.9	6.98	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.9		µg/kg dry	10.9	6.41	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 10.9		µg/kg dry	10.9	5.34	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 10.9		µg/kg dry	10.9	7.98	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 10.9		µg/kg dry	10.9	4.17	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 10.9		µg/kg dry	10.9	10.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 10.9		µg/kg dry	10.9	3.42	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21-SB206 (0-0.5)-1	60225155.0100	Soil	02-Oct-11 15:45	03-Oct-11
SB36674-35				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			SW846 8082A	06-Oct-11	07-Oct-11	IMR	1120540	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**90.9**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120590	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21-SB206 (0-0.5)-2	60225155.0100	Soil	02-Oct-11 15:45	03-Oct-11
SB36674-36				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides SW846 8081A													
Prepared by method SW846 3545A													
319-84-6	alpha-BHC	< 5.45		µg/kg dry	5.45	2.32	1	SW846 8081B	06-Oct-11	07-Oct-11	DS	1120541	X
319-85-7	beta-BHC	< 5.45		µg/kg dry	5.45	2.17	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.45		µg/kg dry	5.45	2.54	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 5.45		µg/kg dry	5.45	2.26	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.45		µg/kg dry	5.45	2.22	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.45		µg/kg dry	5.45	5.35	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.45		µg/kg dry	5.45	2.07	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.45		µg/kg dry	5.45	2.65	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.45		µg/kg dry	5.45	1.73	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.45		µg/kg dry	5.45	2.09	1	"	"	"	"	"	X
72-20-8	Endrin	< 8.72		µg/kg dry	8.72	3.52	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 8.72		µg/kg dry	8.72	4.03	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 8.72		µg/kg dry	8.72	2.63	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 8.72		µg/kg dry	8.72	2.31	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 8.72		µg/kg dry	8.72	2.26	1	"	"	"	"	"	X
72-43-5	Methoxychlor	**13.7**		µg/kg dry	8.72	2.69	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 8.72		µg/kg dry	8.72	2.64	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 8.72		µg/kg dry	8.72	2.55	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.45		µg/kg dry	5.45	2.46	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	< 5.45		µg/kg dry	5.45	2.19	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 109		µg/kg dry	109	102	1	"	"	"	"	"	X
57-74-9	Chlordane	< 21.8		µg/kg dry	21.8	19.3	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.45		µg/kg dry	5.45	3.22	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*46*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*38*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*32*			*30-150 %*			"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 10.9		µg/kg dry	10.9	5.44	1	SW846 8082A	06-Oct-11	08-Oct-11	IMR	1120540	X
11104-28-2	Aroclor-1221	< 10.9		µg/kg dry	10.9	9.82	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 10.9		µg/kg dry	10.9	6.99	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.9		µg/kg dry	10.9	6.42	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 10.9		µg/kg dry	10.9	5.35	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 10.9		µg/kg dry	10.9	7.99	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 10.9		µg/kg dry	10.9	4.18	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 10.9		µg/kg dry	10.9	10.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 10.9		µg/kg dry	10.9	3.42	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21-SB206 (0-0.5)-2	60225155.0100	Soil	02-Oct-11 15:45	03-Oct-11
SB36674-36				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			SW846 8082A	06-Oct-11	08-Oct-11	IMR	1120540	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**89.0**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120590	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21-SB206 (4-5)-1	60225155.0100	Soil	02-Oct-11 16:00	03-Oct-11
SB36674-37				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C			GS1										
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 1980		µg/kg dry	1980	223	10	SW846 8270D	06-Oct-11	11-Oct-11	ML	1120545	X
208-96-8	Acenaphthylene	< 1980		µg/kg dry	1980	226	10	"	"	"	"	"	X
120-12-7	Anthracene	**3,290**		µg/kg dry	1980	232	10	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**5,010**		µg/kg dry	1980	230	10	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**3,590**		µg/kg dry	1980	261	10	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**3,240**		µg/kg dry	1980	238	10	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 1980		µg/kg dry	1980	303	10	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**3,700**		µg/kg dry	1980	350	10	"	"	"	"	"	X
218-01-9	Chrysene	**4,800**		µg/kg dry	1980	236	10	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 1980		µg/kg dry	1980	273	10	"	"	"	"	"	X
206-44-0	Fluoranthene	**8,440**		µg/kg dry	1980	362	10	"	"	"	"	"	X
86-73-7	Fluorene	**2,420**		µg/kg dry	1980	251	10	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 1980		µg/kg dry	1980	365	10	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 1980		µg/kg dry	1980	290	10	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 1980		µg/kg dry	1980	233	10	"	"	"	"	"	X
91-20-3	Naphthalene	**4,440**		µg/kg dry	1980	200	10	"	"	"	"	"	X
85-01-8	Phenanthrene	**10,800**		µg/kg dry	1980	223	10	"	"	"	"	"	X
129-00-0	Pyrene	**7,760**		µg/kg dry	1980	397	10	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*74*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*62*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082			GS1										
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 236		µg/kg dry	236	118	10	SW846 8082A	06-Oct-11	08-Oct-11	IMR	1120540	X
11104-28-2	Aroclor-1221	< 236		µg/kg dry	236	212	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 236		µg/kg dry	236	151	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 236		µg/kg dry	236	139	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**18,400**		µg/kg dry	236	116	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 236		µg/kg dry	236	173	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**354**		µg/kg dry	236	90.4	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 236		µg/kg dry	236	220	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 236		µg/kg dry	236	74.1	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	**2.49**		mg/kg dry	1.66	0.255	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	**11.9**		mg/kg dry	1.66	0.266	1	"	"	"	"	"	X
7440-39-3	Barium	**577**		mg/kg dry	1.10	0.267	1	"	"	08-Oct-11	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21-SB206 (4-5)-1	60225155.0100	Soil	02-Oct-11 16:00	03-Oct-11
SB36674-37				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.552		mg/kg dry	0.552	0.177	1	SW846 6010C	05-Oct-11	08-Oct-11	ALT/A	1120488	X
7440-43-9	Cadmium	**5.79**		mg/kg dry	0.552	0.0609	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**71.0**		mg/kg dry	1.10	0.402	1	"	"	"	"	"	X
7440-50-8	Copper	**312**		mg/kg dry	1.10	0.124	1	"	"	"	"	"	X
7439-97-6	Mercury	**1.19**	GS1	mg/kg dry	0.165	0.0337	5	SW846 7471B	12-Oct-11	12-Oct-11	EDT	1120949	X
7440-02-0	Nickel	**52.6**		mg/kg dry	1.10	0.0760	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**1,480**		mg/kg dry	1.66	0.196	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.52		mg/kg dry	5.52	0.243	1	"	"	08-Oct-11	"	"	X
7782-49-2	Selenium	< 2.21		mg/kg dry	2.21	0.245	1	"	"	07-Oct-11	"	"	X
7440-28-0	Thallium	< 3.31		mg/kg dry	3.31	0.272	1	"	"	"	"	"	X
7440-62-2	Vanadium	**58.3**		mg/kg dry	1.66	0.289	1	"	"	"	"	"	X
7440-66-6	Zinc	**1,430**	GS1	mg/kg dry	11.0	2.40	10	"	"	12-Oct-11	"	"	X
General Chemistry Parameters													
	% Solids	**83.0**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120590	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21-SB206 (8-9)-1	60225155.0100	Soil	02-Oct-11 16:10	03-Oct-11
SB36674-38				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 179		µg/kg dry	179	20.1	1	SW846 8270D	06-Oct-11	11-Oct-11	ML	1120545	X
208-96-8	Acenaphthylene	< 179		µg/kg dry	179	20.5	1	"	"	"	"	"	X
120-12-7	Anthracene	< 179		µg/kg dry	179	21.0	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 179		µg/kg dry	179	20.8	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 179		µg/kg dry	179	23.6	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 179		µg/kg dry	179	21.6	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 179		µg/kg dry	179	27.4	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 179		µg/kg dry	179	31.6	1	"	"	"	"	"	X
218-01-9	Chrysene	< 179		µg/kg dry	179	21.3	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 179		µg/kg dry	179	24.7	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 179		µg/kg dry	179	32.7	1	"	"	"	"	"	X
86-73-7	Fluorene	< 179		µg/kg dry	179	22.7	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 179		µg/kg dry	179	33.0	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 179		µg/kg dry	179	26.2	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 179		µg/kg dry	179	21.1	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 179		µg/kg dry	179	18.1	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 179		µg/kg dry	179	20.1	1	"	"	"	"	"	X
129-00-0	Pyrene	< 179		µg/kg dry	179	36.0	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*92*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*83*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.7		µg/kg dry	21.7	10.8	1	SW846 8082A	06-Oct-11	08-Oct-11	IMR	1120540	X
11104-28-2	Aroclor-1221	< 21.7		µg/kg dry	21.7	19.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.7		µg/kg dry	21.7	13.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.7		µg/kg dry	21.7	12.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.7		µg/kg dry	21.7	10.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.7		µg/kg dry	21.7	15.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.7		µg/kg dry	21.7	8.32	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.7		µg/kg dry	21.7	20.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.7		µg/kg dry	21.7	6.82	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.40		mg/kg dry	1.40	0.215	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	**1.87**		mg/kg dry	1.40	0.225	1	"	"	"	"	"	X
7440-39-3	Barium	**52.5**		mg/kg dry	0.933	0.225	1	"	"	08-Oct-11	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21-SB206 (8-9)-1	60225155.0100	Soil	02-Oct-11 16:10	03-Oct-11
SB36674-38				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.466		mg/kg dry	0.466	0.150	1	SW846 6010C	05-Oct-11	08-Oct-11	ALT/A	1120488	X
7440-43-9	Cadmium	< 0.466		mg/kg dry	0.466	0.0515	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**12.1**		mg/kg dry	0.933	0.340	1	"	"	"	"	"	X
7440-50-8	Copper	**11.3**		mg/kg dry	0.933	0.105	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0300		mg/kg dry	0.0300	0.0061	1	SW846 7471B	"	11-Oct-11	EDT	1120489	X
7440-02-0	Nickel	**9.97**		mg/kg dry	0.933	0.0643	1	SW846 6010C	"	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**15.9**		mg/kg dry	1.40	0.166	1	"	"	"	"	"	X
7440-36-0	Antimony	< 4.66		mg/kg dry	4.66	0.205	1	"	"	08-Oct-11	"	"	X
7782-49-2	Selenium	< 1.40		mg/kg dry	1.40	0.207	1	"	"	07-Oct-11	"	"	X
7440-28-0	Thallium	< 2.80		mg/kg dry	2.80	0.230	1	"	"	"	"	"	X
7440-62-2	Vanadium	**15.6**		mg/kg dry	1.40	0.245	1	"	"	"	"	"	X
7440-66-6	Zinc	**23.3**		mg/kg dry	0.933	0.203	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**91.3**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120590	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21-SB206 (8-9)-2	60225155.0100	Soil	02-Oct-11 16:10	03-Oct-11
SB36674-39				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 181		µg/kg dry	181	20.4	1	SW846 8270D	06-Oct-11	11-Oct-11	ML	1120545	X
208-96-8	Acenaphthylene	< 181		µg/kg dry	181	20.8	1	"	"	"	"	"	X
120-12-7	Anthracene	< 181		µg/kg dry	181	21.3	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 181		µg/kg dry	181	21.1	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 181		µg/kg dry	181	24.0	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 181		µg/kg dry	181	21.9	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 181		µg/kg dry	181	27.8	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 181		µg/kg dry	181	32.1	1	"	"	"	"	"	X
218-01-9	Chrysene	< 181		µg/kg dry	181	21.7	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 181		µg/kg dry	181	25.1	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 181		µg/kg dry	181	33.2	1	"	"	"	"	"	X
86-73-7	Fluorene	< 181		µg/kg dry	181	23.1	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 181		µg/kg dry	181	33.5	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 181		µg/kg dry	181	26.6	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 181		µg/kg dry	181	21.4	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 181		µg/kg dry	181	18.4	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 181		µg/kg dry	181	20.4	1	"	"	"	"	"	X
129-00-0	Pyrene	< 181		µg/kg dry	181	36.5	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*89*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*82*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.7		µg/kg dry	20.7	10.3	1	SW846 8082A	06-Oct-11	08-Oct-11	IMR	1120540	X
11104-28-2	Aroclor-1221	< 20.7		µg/kg dry	20.7	18.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.7		µg/kg dry	20.7	13.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.7		µg/kg dry	20.7	12.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.7		µg/kg dry	20.7	10.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.7		µg/kg dry	20.7	15.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.7		µg/kg dry	20.7	7.92	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.7		µg/kg dry	20.7	19.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.7		µg/kg dry	20.7	6.49	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.46		mg/kg dry	1.46	0.225	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7440-38-2	Arsenic	**1.96**		mg/kg dry	1.46	0.235	1	"	"	"	"	"	X
7440-39-3	Barium	**44.3**		mg/kg dry	0.975	0.235	1	"	"	08-Oct-11	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21-SB206 (8-9)-2	60225155.0100	Soil	02-Oct-11 16:10	03-Oct-11
SB36674-39				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.487		mg/kg dry	0.487	0.156	1	SW846 6010C	05-Oct-11	08-Oct-11	ALT/A	1120488	X
7440-43-9	Cadmium	< 0.487		mg/kg dry	0.487	0.0538	1	"	"	07-Oct-11	"	"	X
7440-47-3	Chromium	**12.2**		mg/kg dry	0.975	0.355	1	"	"	"	"	"	X
7440-50-8	Copper	**11.1**		mg/kg dry	0.975	0.110	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0309		mg/kg dry	0.0309	0.0063	1	SW846 7471B	12-Oct-11	12-Oct-11	EDT	1120949	X
7440-02-0	Nickel	**9.83**		mg/kg dry	0.975	0.0671	1	SW846 6010C	05-Oct-11	07-Oct-11	EDT	1120488	X
7439-92-1	Lead	**18.8**		mg/kg dry	1.46	0.173	1	"	"	"	"	"	X
7440-36-0	Antimony	< 4.87		mg/kg dry	4.87	0.214	1	"	"	08-Oct-11	"	"	X
7782-49-2	Selenium	< 1.46		mg/kg dry	1.46	0.216	1	"	"	07-Oct-11	"	"	X
7440-28-0	Thallium	< 2.92		mg/kg dry	2.92	0.240	1	"	"	"	"	"	X
7440-62-2	Vanadium	**15.5**		mg/kg dry	1.46	0.256	1	"	"	"	"	"	X
7440-66-6	Zinc	**23.2**		mg/kg dry	0.975	0.212	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**90.5**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120590	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21-SB206 (11-12)-1	60225155.0100	Soil	02-Oct-11 16:15	03-Oct-11
SB36674-40				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 35.9		µg/kg dry	35.9	17.9	1	SW846 8082A	06-Oct-11	08-Oct-11	IMR	1120540	X
11104-28-2	Aroclor-1221	< 35.9		µg/kg dry	35.9	32.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 35.9		µg/kg dry	35.9	23.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 35.9		µg/kg dry	35.9	21.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 35.9		µg/kg dry	35.9	17.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 35.9		µg/kg dry	35.9	26.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 35.9		µg/kg dry	35.9	13.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 35.9		µg/kg dry	35.9	33.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 35.9		µg/kg dry	35.9	11.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**53.2**		%			1	SM2540 G Mod.	06-Oct-11	06-Oct-11	DT	1120590	

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120545 - SW846 3545A										
Blank (1120545-BLK1)					Prepared: 06-Oct-11 Analyzed: 10-Oct-11					
Acenaphthene	< 165		µg/kg wet	165						
Acenaphthylene	< 165		µg/kg wet	165						
Anthracene	< 165		µg/kg wet	165						
Benzo (a) anthracene	< 165		µg/kg wet	165						
Benzo (a) pyrene	< 165		µg/kg wet	165						
Benzo (b) fluoranthene	< 165		µg/kg wet	165						
Benzo (g,h,i) perylene	< 165		µg/kg wet	165						
Benzo (k) fluoranthene	< 165		µg/kg wet	165						
Chrysene	< 165		µg/kg wet	165						
Dibenzo (a,h) anthracene	< 165		µg/kg wet	165						
Fluoranthene	< 165		µg/kg wet	165						
Fluorene	< 165		µg/kg wet	165						
Indeno (1,2,3-cd) pyrene	< 165		µg/kg wet	165						
1-Methylnaphthalene	< 165		µg/kg wet	165						
2-Methylnaphthalene	< 165		µg/kg wet	165						
Naphthalene	< 165		µg/kg wet	165						
Phenanthrene	< 165		µg/kg wet	165						
Pyrene	< 165		µg/kg wet	165						
Surrogate: 2-Fluorobiphenyl	*1260*		µg/kg wet		*1670*		*76*	*30-130*		
Surrogate: Terphenyl-dl4	*1340*		µg/kg wet		*1670*		*81*	*30-130*		
LCS (1120545-BS1)					Prepared: 06-Oct-11 Analyzed: 10-Oct-11					
Acenaphthene	**1190**		µg/kg wet	165	1670		71	40-140		
Acenaphthylene	**1170**		µg/kg wet	165	1670		70	40-140		
Anthracene	**1100**		µg/kg wet	165	1670		66	40-140		
Benzo (a) anthracene	**1110**		µg/kg wet	165	1670		67	40-140		
Benzo (a) pyrene	**1140**		µg/kg wet	165	1670		68	40-140		
Benzo (b) fluoranthene	**1010**		µg/kg wet	165	1670		61	40-140		
Benzo (g,h,i) perylene	**1100**		µg/kg wet	165	1670		66	40-140		
Benzo (k) fluoranthene	**1200**		µg/kg wet	165	1670		72	40-140		
Chrysene	**1160**		µg/kg wet	165	1670		69	40-140		
Dibenzo (a,h) anthracene	**1150**		µg/kg wet	165	1670		69	40-140		
Fluoranthene	**1040**		µg/kg wet	165	1670		63	40-140		
Fluorene	**1170**		µg/kg wet	165	1670		70	40-140		
Indeno (1,2,3-cd) pyrene	**1070**		µg/kg wet	165	1670		64	40-140		
1-Methylnaphthalene	**1120**		µg/kg wet	165	1670		67	40-140		
2-Methylnaphthalene	**910**		µg/kg wet	165	1670		55	40-140		
Naphthalene	**1070**		µg/kg wet	165	1670		64	40-140		
Phenanthrene	**1040**		µg/kg wet	165	1670		63	40-140		
Pyrene	**1110**		µg/kg wet	165	1670		66	40-140		
Surrogate: 2-Fluorobiphenyl	*1340*		µg/kg wet		*1670*		*80*	*30-130*		
Surrogate: Terphenyl-dl4	*1250*		µg/kg wet		*1670*		*75*	*30-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120539 - SW846 3545A										
Blank (1120539-BLK1)					Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*27.0*		µg/kg wet		*20.0*		*135*	*30-150*		
LCS (1120539-BS1)					Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
Aroclor-1016	**258**		µg/kg wet	20.0	250		103	50-140		
Aroclor-1016 [2C]	**243**		µg/kg wet	20.0	250		97	50-140		
Aroclor-1260	**252**		µg/kg wet	20.0	250		101	50-140		
Aroclor-1260 [2C]	**248**		µg/kg wet	20.0	250		99	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
LCS Dup (1120539-BSD1)					Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
Aroclor-1016	**257**		µg/kg wet	20.0	250		103	50-140	0.4	30
Aroclor-1016 [2C]	**279**		µg/kg wet	20.0	250		112	50-140	14	30
Aroclor-1260	**245**		µg/kg wet	20.0	250		98	50-140	3	30
Aroclor-1260 [2C]	**270**		µg/kg wet	20.0	250		108	50-140	8	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Duplicate (1120539-DUP1)			**Source: SB36674-16**		Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
Aroclor-1016	< 85.7		µg/kg dry	85.7		BRL				40
Aroclor-1016 [2C]	< 85.7		µg/kg dry	85.7		BRL				40
Aroclor-1221	< 85.7		µg/kg dry	85.7		BRL				40
Aroclor-1221 [2C]	< 85.7		µg/kg dry	85.7		BRL				40
Aroclor-1232	< 85.7		µg/kg dry	85.7		BRL				40
Aroclor-1232 [2C]	< 85.7		µg/kg dry	85.7		BRL				40
Aroclor-1242	< 85.7		µg/kg dry	85.7		BRL				40
Aroclor-1242 [2C]	< 85.7		µg/kg dry	85.7		BRL				40
Aroclor-1248	< 85.7		µg/kg dry	85.7		BRL				40

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120539 - SW846 3545A										
Duplicate (1120539-DUP1)			**Source: SB36674-16**		Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
Aroclor-1248 [2C]	< 85.7		µg/kg dry	85.7		BRL				40
Aroclor-1254	< 85.7		µg/kg dry	85.7		BRL				40
Aroclor-1254 [2C]	< 85.7		µg/kg dry	85.7		BRL				40
Aroclor-1260	< 85.7		µg/kg dry	85.7		BRL				40
Aroclor-1260 [2C]	< 85.7		µg/kg dry	85.7		BRL				40
Aroclor-1262	< 85.7		µg/kg dry	85.7		BRL				40
Aroclor-1262 [2C]	< 85.7		µg/kg dry	85.7		BRL				40
Aroclor-1268	< 85.7		µg/kg dry	85.7		BRL				40
Aroclor-1268 [2C]	< 85.7		µg/kg dry	85.7		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*81.4*		µg/kg dry		*85.7*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*94.3*		µg/kg dry		*85.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*77.1*		µg/kg dry		*85.7*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*90.0*		µg/kg dry		*85.7*		*105*	*30-150*		
Matrix Spike (1120539-MS1)			**Source: SB36674-16**		Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
Aroclor-1016	**1130**		µg/kg dry	87.3	1090	BRL	103	40-135		
Aroclor-1016 [2C]	**1120**		µg/kg dry	87.3	1090	BRL	103	40-135		
Aroclor-1260	**983**		µg/kg dry	87.3	1090	BRL	90	40-135		
Aroclor-1260 [2C]	**1130**		µg/kg dry	87.3	1090	BRL	104	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*83.0*		µg/kg dry		*87.3*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*91.7*		µg/kg dry		*87.3*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*83.0*		µg/kg dry		*87.3*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*96.1*		µg/kg dry		*87.3*		*110*	*30-150*		
Matrix Spike Dup (1120539-MSD1)			**Source: SB36674-16**		Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
Aroclor-1016	**1090**		µg/kg dry	86.5	1080	BRL	101	40-135	2	30
Aroclor-1016 [2C]	**1240**		µg/kg dry	86.5	1080	BRL	114	40-135	11	30
Aroclor-1260	**1050**		µg/kg dry	86.5	1080	BRL	97	40-135	7	30
Aroclor-1260 [2C]	**1080**		µg/kg dry	86.5	1080	BRL	100	40-135	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*82.2*		µg/kg dry		*86.5*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*86.5*		µg/kg dry		*86.5*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*86.5*		µg/kg dry		*86.5*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*90.9*		µg/kg dry		*86.5*		*105*	*30-150*		
Batch 1120540 - SW846 3545A										
Blank (1120540-BLK1)					Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120540 - SW846 3545A										
Blank (1120540-BLK1)					Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
LCS (1120540-BS1)					Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
Aroclor-1016	**265**		µg/kg wet	20.0	250		106	50-140		
Aroclor-1016 [2C]	**271**		µg/kg wet	20.0	250		108	50-140		
Aroclor-1260	**237**		µg/kg wet	20.0	250		95	50-140		
Aroclor-1260 [2C]	**249**		µg/kg wet	20.0	250		100	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS Dup (1120540-BSD1)					Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
Aroclor-1016	**258**		µg/kg wet	20.0	250		103	50-140	3	30
Aroclor-1016 [2C]	**241**		µg/kg wet	20.0	250		96	50-140	12	30
Aroclor-1260	**239**		µg/kg wet	20.0	250		96	50-140	0.8	30
Aroclor-1260 [2C]	**226**		µg/kg wet	20.0	250		90	50-140	10	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Duplicate (1120540-DUP1)			**Source: SB36674-29**		Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
Aroclor-1016	< 21.3		µg/kg dry	21.3		BRL				40
Aroclor-1016 [2C]	< 21.3		µg/kg dry	21.3		BRL				40
Aroclor-1221	< 21.3		µg/kg dry	21.3		BRL				40
Aroclor-1221 [2C]	< 21.3		µg/kg dry	21.3		BRL				40
Aroclor-1232	< 21.3		µg/kg dry	21.3		BRL				40
Aroclor-1232 [2C]	< 21.3		µg/kg dry	21.3		BRL				40
Aroclor-1242	< 21.3		µg/kg dry	21.3		BRL				40
Aroclor-1242 [2C]	< 21.3		µg/kg dry	21.3		BRL				40
Aroclor-1248	< 21.3		µg/kg dry	21.3		BRL				40
Aroclor-1248 [2C]	< 21.3		µg/kg dry	21.3		BRL				40
Aroclor-1254	< 21.3		µg/kg dry	21.3		BRL				40
Aroclor-1254 [2C]	< 21.3		µg/kg dry	21.3		BRL				40
Aroclor-1260	< 21.3		µg/kg dry	21.3		BRL				40
Aroclor-1260 [2C]	< 21.3		µg/kg dry	21.3		BRL				40
Aroclor-1262	< 21.3		µg/kg dry	21.3		BRL				40
Aroclor-1262 [2C]	< 21.3		µg/kg dry	21.3		BRL				40
Aroclor-1268	< 21.3		µg/kg dry	21.3		BRL				40
Aroclor-1268 [2C]	< 21.3		µg/kg dry	21.3		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.0*		µg/kg dry		*21.3*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.0*		µg/kg dry		*21.3*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.0*		µg/kg dry		*21.3*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.8*		µg/kg dry		*21.3*		*60*	*30-150*		
Matrix Spike (1120540-MS1)			**Source: SB36674-29**		Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
Aroclor-1016	**261**		µg/kg dry	21.9	273	BRL	96	40-135		
Aroclor-1016 [2C]	**317**		µg/kg dry	21.9	273	BRL	116	40-135		
Aroclor-1260	**237**		µg/kg dry	21.9	273	BRL	87	40-135		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120540 - SW846 3545A										
Matrix Spike (1120540-MS1)			**Source: SB36674-29**		Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
Aroclor-1260 [2C]	**253**		µg/kg dry	21.9	273	BRL	92	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.9*		µg/kg dry		*21.9*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.6*		µg/kg dry		*21.9*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.7*		µg/kg dry		*21.9*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.1*		µg/kg dry		*21.9*		*110*	*30-150*		
Matrix Spike Dup (1120540-MSD1)			**Source: SB36674-29**		Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
Aroclor-1016	**296**		µg/kg dry	22.6	282	BRL	105	40-135	9	30
Aroclor-1016 [2C]	**326**		µg/kg dry	22.6	282	BRL	116	40-135	0.3	30
Aroclor-1260	**247**		µg/kg dry	22.6	282	BRL	88	40-135	0.9	30
Aroclor-1260 [2C]	**229**		µg/kg dry	22.6	282	BRL	81	40-135	13	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.6*		µg/kg dry		*22.6*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*23.7*		µg/kg dry		*22.6*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.3*		µg/kg dry		*22.6*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.3*		µg/kg dry		*22.6*		*90*	*30-150*		
Batch 1120541 - SW846 3545A										
Blank (1120541-BLK1)					Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
alpha-BHC	< 5.00		µg/kg wet	5.00						
alpha-BHC [2C]	< 5.00		µg/kg wet	5.00						
beta-BHC	< 5.00		µg/kg wet	5.00						
beta-BHC [2C]	< 5.00		µg/kg wet	5.00						
delta-BHC	< 5.00		µg/kg wet	5.00						
delta-BHC [2C]	< 5.00		µg/kg wet	5.00						
gamma-BHC (Lindane)	< 5.00		µg/kg wet	5.00						
gamma-BHC (Lindane) [2C]	< 5.00		µg/kg wet	5.00						
Heptachlor	< 5.00		µg/kg wet	5.00						
Heptachlor [2C]	< 5.00		µg/kg wet	5.00						
Aldrin	< 5.00		µg/kg wet	5.00						
Aldrin [2C]	< 5.00		µg/kg wet	5.00						
Heptachlor epoxide	< 5.00		µg/kg wet	5.00						
Heptachlor epoxide [2C]	< 5.00		µg/kg wet	5.00						
Endosulfan I	< 5.00		µg/kg wet	5.00						
Endosulfan I [2C]	< 5.00		µg/kg wet	5.00						
Dieldrin	< 5.00		µg/kg wet	5.00						
Dieldrin [2C]	< 5.00		µg/kg wet	5.00						
4,4'-DDE (p,p')	< 5.00		µg/kg wet	5.00						
4,4'-DDE (p,p') [2C]	< 5.00		µg/kg wet	5.00						
Endrin	< 8.00		µg/kg wet	8.00						
Endrin [2C]	< 8.00		µg/kg wet	8.00						
Endosulfan II	< 8.00		µg/kg wet	8.00						
Endosulfan II [2C]	< 8.00		µg/kg wet	8.00						
4,4'-DDD (p,p')	< 8.00		µg/kg wet	8.00						
4,4'-DDD (p,p') [2C]	< 8.00		µg/kg wet	8.00						
Endosulfan sulfate	< 8.00		µg/kg wet	8.00						
Endosulfan sulfate [2C]	< 8.00		µg/kg wet	8.00						
4,4'-DDT (p,p')	< 8.00		µg/kg wet	8.00						
4,4'-DDT (p,p') [2C]	< 8.00		µg/kg wet	8.00						
Methoxychlor	< 8.00		µg/kg wet	8.00						
Methoxychlor [2C]	< 8.00		µg/kg wet	8.00						
Endrin ketone	< 8.00		µg/kg wet	8.00						
Endrin ketone [2C]	< 8.00		µg/kg wet	8.00						
Endrin aldehyde	< 8.00		µg/kg wet	8.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120541 - SW846 3545A										
Blank (1120541-BLK1)					Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
Endrin aldehyde [2C]	< 8.00		µg/kg wet	8.00						
alpha-Chlordane	< 5.00		µg/kg wet	5.00						
alpha-Chlordane [2C]	< 5.00		µg/kg wet	5.00						
gamma-Chlordane	< 5.00		µg/kg wet	5.00						
gamma-Chlordane [2C]	< 5.00		µg/kg wet	5.00						
Toxaphene	< 100		µg/kg wet	100						
Toxaphene [2C]	< 100		µg/kg wet	100						
Chlordane	< 20.0		µg/kg wet	20.0						
Chlordane [2C]	< 20.0		µg/kg wet	20.0						
Alachlor	< 5.00		µg/kg wet	5.00						
Alachlor [2C]	< 5.00		µg/kg wet	5.00						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.67*		µg/kg wet		*10.0*		*87*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*9.21*		µg/kg wet		*10.0*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*9.31*		µg/kg wet		*10.0*		*93*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*9.19*		µg/kg wet		*10.0*		*92*	*30-150*		
LCS (1120541-BS1)					Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
alpha-BHC	**23.2**		µg/kg wet	5.00	25.0		93	40-140		
alpha-BHC [2C]	**25.1**		µg/kg wet	5.00	25.0		101	40-140		
beta-BHC	**24.4**		µg/kg wet	5.00	25.0		98	40-140		
beta-BHC [2C]	**27.7**		µg/kg wet	5.00	25.0		111	40-140		
delta-BHC	**16.7**		µg/kg wet	5.00	25.0		67	40-140		
delta-BHC [2C]	**18.7**		µg/kg wet	5.00	25.0		75	40-140		
gamma-BHC (Lindane)	**24.8**		µg/kg wet	5.00	25.0		99	50-120		
gamma-BHC (Lindane) [2C]	**26.6**		µg/kg wet	5.00	25.0		107	50-120		
Heptachlor	**25.7**		µg/kg wet	5.00	25.0		103	40-140		
Heptachlor [2C]	**26.4**		µg/kg wet	5.00	25.0		106	40-140		
Aldrin	**22.8**		µg/kg wet	5.00	25.0		91	40-140		
Aldrin [2C]	**25.0**		µg/kg wet	5.00	25.0		100	40-140		
Heptachlor epoxide	**23.5**		µg/kg wet	5.00	25.0		94	50-140		
Heptachlor epoxide [2C]	**26.1**		µg/kg wet	5.00	25.0		105	50-140		
Endosulfan I	**23.5**		µg/kg wet	5.00	25.0		94	40-140		
Endosulfan I [2C]	**27.2**		µg/kg wet	5.00	25.0		109	40-140		
Dieldrin	**25.1**		µg/kg wet	5.00	25.0		101	40-130		
Dieldrin [2C]	**26.5**		µg/kg wet	5.00	25.0		106	40-130		
4,4'-DDE (p,p')	**24.3**		µg/kg wet	5.00	25.0		97	50-140		
4,4'-DDE (p,p') [2C]	**27.7**		µg/kg wet	5.00	25.0		111	50-140		
Endrin	**27.8**		µg/kg wet	8.00	25.0		111	50-120		
Endrin [2C]	**29.3**		µg/kg wet	8.00	25.0		117	50-120		
Endosulfan II	**25.6**		µg/kg wet	8.00	25.0		102	40-140		
Endosulfan II [2C]	**26.8**		µg/kg wet	8.00	25.0		107	40-140		
4,4'-DDD (p,p')	**26.8**		µg/kg wet	8.00	25.0		107	40-140		
4,4'-DDD (p,p') [2C]	**27.6**		µg/kg wet	8.00	25.0		110	40-140		
Endosulfan sulfate	**21.7**		µg/kg wet	8.00	25.0		87	50-120		
Endosulfan sulfate [2C]	**22.5**		µg/kg wet	8.00	25.0		90	50-120		
4,4'-DDT (p,p')	**23.6**		µg/kg wet	8.00	25.0		95	40-140		
4,4'-DDT (p,p') [2C]	**25.1**		µg/kg wet	8.00	25.0		100	40-140		
Methoxychlor	**26.0**		µg/kg wet	8.00	25.0		104	40-140		
Methoxychlor [2C]	**27.3**		µg/kg wet	8.00	25.0		109	40-140		
Endrin ketone	**24.0**		µg/kg wet	8.00	25.0		96	40-140		
Endrin ketone [2C]	**24.5**		µg/kg wet	8.00	25.0		98	40-140		
Endrin aldehyde	**20.1**		µg/kg wet	8.00	25.0		80	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120541 - SW846 3545A										
LCS (1120541-BS1)					Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
Endrin aldehyde [2C]	**20.8**		µg/kg wet	8.00	25.0		83	40-140		
alpha-Chlordane	**22.8**		µg/kg wet	5.00	25.0		91	40-140		
alpha-Chlordane [2C]	**23.9**		µg/kg wet	5.00	25.0		96	40-140		
gamma-Chlordane	**23.1**		µg/kg wet	5.00	25.0		92	40-130		
gamma-Chlordane [2C]	**24.8**		µg/kg wet	5.00	25.0		99	40-130		
Alachlor	**24.0**		µg/kg wet	5.00	25.0		96	40-140		
Alachlor [2C]	**25.2**		µg/kg wet	5.00	25.0		101	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.63*		µg/kg wet		*10.0*		*96*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*10.8*		µg/kg wet		*10.0*		*108*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.5*		µg/kg wet		*10.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*10.0*		µg/kg wet		*10.0*		*100*	*30-150*		
LCS Dup (1120541-BSD1)					Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
alpha-BHC	**23.8**		µg/kg wet	5.00	25.0		95	40-140	3	30
alpha-BHC [2C]	**24.6**		µg/kg wet	5.00	25.0		98	40-140	2	30
beta-BHC	**25.3**		µg/kg wet	5.00	25.0		101	40-140	3	30
beta-BHC [2C]	**26.3**		µg/kg wet	5.00	25.0		105	40-140	5	30
delta-BHC	**17.4**		µg/kg wet	5.00	25.0		70	40-140	4	30
delta-BHC [2C]	**18.3**		µg/kg wet	5.00	25.0		73	40-140	2	30
gamma-BHC (Lindane)	**25.3**		µg/kg wet	5.00	25.0		101	50-120	2	30
gamma-BHC (Lindane) [2C]	**25.5**		µg/kg wet	5.00	25.0		102	50-120	4	30
Heptachlor	**26.6**		µg/kg wet	5.00	25.0		107	40-140	4	30
Heptachlor [2C]	**25.7**		µg/kg wet	5.00	25.0		103	40-140	3	30
Aldrin	**23.6**		µg/kg wet	5.00	25.0		94	40-140	3	30
Aldrin [2C]	**24.1**		µg/kg wet	5.00	25.0		96	40-140	4	30
Heptachlor epoxide	**24.5**		µg/kg wet	5.00	25.0		98	50-140	4	30
Heptachlor epoxide [2C]	**25.6**		µg/kg wet	5.00	25.0		102	50-140	2	30
Endosulfan I	**24.8**		µg/kg wet	5.00	25.0		99	40-140	5	30
Endosulfan I [2C]	**26.6**		µg/kg wet	5.00	25.0		106	40-140	2	30
Dieldrin	**26.3**		µg/kg wet	5.00	25.0		105	40-130	4	30
Dieldrin [2C]	**26.6**		µg/kg wet	5.00	25.0		106	40-130	0.1	30
4,4'-DDE (p,p')	**25.4**		µg/kg wet	5.00	25.0		102	50-140	4	30
4,4'-DDE (p,p') [2C]	**27.3**		µg/kg wet	5.00	25.0		109	50-140	2	30
Endrin	**28.0**		µg/kg wet	8.00	25.0		112	50-120	0.6	30
Endrin [2C]	**29.1**		µg/kg wet	8.00	25.0		116	50-120	0.8	30
Endosulfan II	**26.6**		µg/kg wet	8.00	25.0		107	40-140	4	30
Endosulfan II [2C]	**26.2**		µg/kg wet	8.00	25.0		105	40-140	2	30
4,4'-DDD (p,p')	**27.1**		µg/kg wet	8.00	25.0		108	40-140	1	30
4,4'-DDD (p,p') [2C]	**27.0**		µg/kg wet	8.00	25.0		108	40-140	2	30
Endosulfan sulfate	**22.7**		µg/kg wet	8.00	25.0		91	50-120	5	30
Endosulfan sulfate [2C]	**22.4**		µg/kg wet	8.00	25.0		90	50-120	0.2	30
4,4'-DDT (p,p')	**25.1**		µg/kg wet	8.00	25.0		100	40-140	6	30
4,4'-DDT (p,p') [2C]	**24.6**		µg/kg wet	8.00	25.0		98	40-140	2	30
Methoxychlor	**27.4**		µg/kg wet	8.00	25.0		110	40-140	5	30
Methoxychlor [2C]	**26.8**		µg/kg wet	8.00	25.0		107	40-140	2	30
Endrin ketone	**25.2**		µg/kg wet	8.00	25.0		101	40-140	5	30
Endrin ketone [2C]	**24.0**		µg/kg wet	8.00	25.0		96	40-140	2	30
Endrin aldehyde	**21.1**		µg/kg wet	8.00	25.0		84	40-140	5	30
Endrin aldehyde [2C]	**20.1**		µg/kg wet	8.00	25.0		80	40-140	3	30
alpha-Chlordane	**23.7**		µg/kg wet	5.00	25.0		95	40-140	4	30
alpha-Chlordane [2C]	**23.5**		µg/kg wet	5.00	25.0		94	40-140	2	30
gamma-Chlordane	**23.7**		µg/kg wet	5.00	25.0		95	40-130	3	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120541 - SW846 3545A										
LCS Dup (1120541-BSD1)					Prepared: 06-Oct-11 Analyzed: 07-Oct-11					
gamma-Chlordane [2C]	**24.2**		µg/kg wet	5.00	25.0		97	40-130	3	30
Alachlor	**25.1**		µg/kg wet	5.00	25.0		100	40-140	4	30
Alachlor [2C]	**24.8**		µg/kg wet	5.00	25.0		99	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.93*		µg/kg wet		*10.0*		*99*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*10.2*		µg/kg wet		*10.0*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.0*		µg/kg wet		*10.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*9.85*		µg/kg wet		*10.0*		*99*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120542 - SW846 3545A										
Blank (1120542-BLK1)					Prepared & Analyzed: 06-Oct-11					
Gasoline	< 13.3		mg/kg wet	13.3						
Fuel Oil #2	< 13.3		mg/kg wet	13.3						
Fuel Oil #4	< 13.3		mg/kg wet	13.3						
Fuel Oil #6	< 13.3		mg/kg wet	13.3						
Motor Oil	< 13.3		mg/kg wet	13.3						
Aviation Fuel	< 13.3		mg/kg wet	13.3						
Unidentified	< 13.3		mg/kg wet	13.3						
Other Oil	< 13.3		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	< 13.3		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	< 13.3		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.47*		mg/kg wet		*3.33*		*74*	*50-150*		
LCS (1120542-BS1)					Prepared & Analyzed: 06-Oct-11					
C9-C36 Aliphatic Hydrocarbons	**71.9**		mg/kg wet	13.3	93.3		77	60-120		
Surrogate: 1-Chlorooctadecane	*2.68*		mg/kg wet		*3.33*		*80*	*50-150*		
Matrix Spike (1120542-MS1)			**Source: SB36674-02**		Prepared & Analyzed: 06-Oct-11					
C9-C36 Aliphatic Hydrocarbons	**73.9**		mg/kg dry	14.2	99.9	BRL	74	50-150		
Surrogate: 1-Chlorooctadecane	*2.62*		mg/kg dry		*3.57*		*74*	*50-150*		
Matrix Spike Dup (1120542-MSD1)			**Source: SB36674-02**		Prepared & Analyzed: 06-Oct-11					
C9-C36 Aliphatic Hydrocarbons	**79.8**		mg/kg dry	14.3	100	BRL	80	50-150	7	30
Surrogate: 1-Chlorooctadecane	*2.70*		mg/kg dry		*3.58*		*76*	*50-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120488 - SW846 3050B										
Blank (1120488-BLK1)					Prepared: 05-Oct-11 Analyzed: 07-Oct-11					
Thallium	< 2.99		mg/kg wet	2.99						
Selenium	< 1.49		mg/kg wet	1.49						
Lead	< 1.49		mg/kg wet	1.49						
Nickel	< 0.996		mg/kg wet	0.996						
Zinc	< 0.996		mg/kg wet	0.996						
Antimony	< 4.98		mg/kg wet	4.98						
Vanadium	< 1.49		mg/kg wet	1.49						
Arsenic	< 1.49		mg/kg wet	1.49						
Beryllium	< 0.498		mg/kg wet	0.498						
Chromium	< 0.996		mg/kg wet	0.996						
Cadmium	< 0.498		mg/kg wet	0.498						
Copper	< 0.996		mg/kg wet	0.996						
Silver	< 1.49		mg/kg wet	1.49						
Barium	< 0.996		mg/kg wet	0.996						
Duplicate (1120488-DUP1)			**Source: SB36674-38**		Prepared: 05-Oct-11 Analyzed: 07-Oct-11					
Thallium	< 3.14		mg/kg dry	3.14		BRL				20
Antimony	**0.544**	J,QR8	mg/kg dry	5.23		0.429			24	20
Vanadium	**15.7**		mg/kg dry	1.57		15.6			0.6	20
Selenium	< 1.57		mg/kg dry	1.57		0.270				20
Lead	**15.6**		mg/kg dry	1.57		15.9			1	20
Nickel	**10.6**		mg/kg dry	1.05		9.97			6	20
Zinc	**23.8**		mg/kg dry	1.05		23.3			2	20
Arsenic	**1.86**		mg/kg dry	1.57		1.87			0.7	20
Copper	**11.4**		mg/kg dry	1.05		11.3			0.6	20
Chromium	**12.7**		mg/kg dry	1.05		12.1			5	20
Cadmium	< 0.523		mg/kg dry	0.523		BRL				20
Beryllium	**0.357**	J	mg/kg dry	0.523		0.377			5	20
Silver	< 1.57		mg/kg dry	1.57		BRL				20
Barium	**44.4**		mg/kg dry	1.05		52.5			17	20
Matrix Spike (1120488-MS1)			**Source: SB36674-38**		Prepared: 05-Oct-11 Analyzed: 07-Oct-11					
Selenium	**101**		mg/kg dry	1.47	122	0.270	82	75-125		
Antimony	**76.2**	QM8	mg/kg dry	4.90	122	0.429	62	75-125		
Lead	**119**		mg/kg dry	1.47	122	15.9	84	75-125		
Zinc	**129**		mg/kg dry	0.980	122	23.3	86	75-125		
Thallium	**121**		mg/kg dry	2.94	122	BRL	99	75-125		
Nickel	**114**		mg/kg dry	0.980	122	9.97	85	75-125		
Vanadium	**122**		mg/kg dry	1.47	122	15.6	87	75-125		
Beryllium	**112**		mg/kg dry	0.490	122	0.377	91	75-125		
Silver	**101**		mg/kg dry	1.47	122	BRL	82	75-125		
Arsenic	**103**		mg/kg dry	1.47	122	1.87	83	75-125		
Cadmium	**113**		mg/kg dry	0.490	122	BRL	92	75-125		
Chromium	**120**		mg/kg dry	0.980	122	12.1	88	75-125		
Copper	**122**		mg/kg dry	0.980	122	11.3	91	75-125		
Barium	**168**		mg/kg dry	0.980	122	52.5	94	75-125		
Matrix Spike Dup (1120488-MSD1)			**Source: SB36674-38**		Prepared: 05-Oct-11 Analyzed: 07-Oct-11					
Zinc	**132**		mg/kg dry	1.03	128	23.3	84	75-125	2	20
Vanadium	**128**		mg/kg dry	1.54	128	15.6	88	75-125	5	20
Thallium	**126**		mg/kg dry	3.08	128	BRL	98	75-125	4	20
Selenium	**101**		mg/kg dry	1.54	128	0.270	79	75-125	0.4	20
Lead	**120**		mg/kg dry	1.54	128	15.9	81	75-125	1	20
Nickel	**117**		mg/kg dry	1.03	128	9.97	84	75-125	3	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120488 - SW846 3050B										
Matrix Spike Dup (1120488-MSD1)			**Source: SB36674-38**		Prepared: 05-Oct-11 Analyzed: 08-Oct-11					
Antimony	**77.4**	QM8	mg/kg dry	5.14	128	0.429	60	75-125	2	20
Cadmium	**115**		mg/kg dry	0.514	128	BRL	89	75-125	2	20
Beryllium	**115**		mg/kg dry	0.514	128	0.377	89	75-125	2	20
Arsenic	**105**		mg/kg dry	1.54	128	1.87	81	75-125	2	20
Chromium	**123**		mg/kg dry	1.03	128	12.1	86	75-125	2	20
Copper	**124**		mg/kg dry	1.03	128	11.3	88	75-125	1	20
Silver	**107**		mg/kg dry	1.54	128	BRL	83	75-125	6	20
Barium	**171**		mg/kg dry	1.03	128	52.5	92	75-125	2	20
Post Spike (1120488-PS1)			**Source: SB36674-38**		Prepared: 05-Oct-11 Analyzed: 07-Oct-11					
Lead	**121**		mg/kg dry	1.40	117	15.9	90	80-120		
Vanadium	**120**		mg/kg dry	1.40	117	15.6	89	80-120		
Antimony	**100**		mg/kg dry	4.66	117	0.429	85	80-120		
Zinc	**129**		mg/kg dry	0.933	117	23.3	90	80-120		
Thallium	**123**		mg/kg dry	2.80	117	BRL	106	80-120		
Selenium	**103**		mg/kg dry	1.40	117	0.270	88	80-120		
Nickel	**117**		mg/kg dry	0.933	117	9.97	91	80-120		
Beryllium	**106**		mg/kg dry	0.466	117	0.377	90	80-120		
Silver	**107**		mg/kg dry	1.40	117	BRL	92	80-120		
Arsenic	**107**		mg/kg dry	1.40	117	1.87	90	80-120		
Cadmium	**115**		mg/kg dry	0.466	117	BRL	99	80-120		
Chromium	**117**		mg/kg dry	0.933	117	12.1	90	80-120		
Copper	**121**		mg/kg dry	0.933	117	11.3	94	80-120		
Barium	**153**		mg/kg dry	0.933	117	52.5	86	80-120		
Reference (1120488-SRM1)					Prepared: 05-Oct-11 Analyzed: 07-Oct-11					
Nickel	**56.5**		mg/kg wet	1.00	60.8		93	79.6-119.8		
Lead	**65.3**		mg/kg wet	1.50	68.8		95	77.4-122.6		
Antimony	**35.4**		mg/kg wet	5.00	60.3		59	0-224.2		
Zinc	**126**		mg/kg wet	1.00	138		91	78.5-121.5		
Vanadium	**47.3**		mg/kg wet	1.50	52.2		91	75.6-124		
Thallium	**115**		mg/kg wet	3.00	116		99	75.3-124.2		
Selenium	**92.7**		mg/kg wet	1.50	101		91	76.7-122.8		
Beryllium	**47.3**		mg/kg wet	0.500	47.7		99	80.1-120		
Chromium	**45.5**		mg/kg wet	1.00	48.0		95	76.7-123		
Cadmium	**56.2**		mg/kg wet	0.500	58.3		96	80.7-119		
Arsenic	**57.2**		mg/kg wet	1.50	62.3		92	78-122		
Silver	**26.3**		mg/kg wet	1.50	26.9		98	35.5-133.8		
Copper	**41.5**		mg/kg wet	1.00	41.6		100	77.5-122		
Barium	**151**		mg/kg wet	1.00	159		95	79.7-120.3		
Reference (1120488-SRM2)					Prepared: 05-Oct-11 Analyzed: 07-Oct-11					
Zinc	**131**		mg/kg wet	1.00	140		94	78.5-121.5		
Antimony	**40.0**		mg/kg wet	5.00	60.9		66	0-224.2		
Nickel	**58.8**		mg/kg wet	1.00	61.4		96	79.6-119.8		
Lead	**67.5**		mg/kg wet	1.50	69.5		97	77.4-122.6		
Selenium	**97.1**		mg/kg wet	1.50	103		95	76.7-122.8		
Thallium	**120**		mg/kg wet	3.00	117		102	75.3-124.2		
Vanadium	**48.7**		mg/kg wet	1.50	52.8		92	75.6-124		
Arsenic	**58.6**		mg/kg wet	1.50	62.9		93	78-122		
Beryllium	**48.6**		mg/kg wet	0.500	48.2		101	80.1-120		
Chromium	**46.8**		mg/kg wet	1.00	48.5		96	76.7-123		
Copper	**43.3**		mg/kg wet	1.00	42.0		103	77.5-122		
Cadmium	**59.4**		mg/kg wet	0.500	58.9		101	80.7-119		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120488 - SW846 3050B										
Reference (1120488-SRM2)						Prepared: 05-Oct-11	Analyzed: 07-Oct-11			
Silver	**27.3**		mg/kg wet	1.50	27.2		101	35.5-133.8		
Barium	**153**		mg/kg wet	1.00	160		95	79.7-120.3		
Batch 1120489 - EPA200/SW7000 Series										
Blank (1120489-BLK1)						Prepared: 05-Oct-11	Analyzed: 11-Oct-11			
Mercury	< 0.0275		mg/kg wet	0.0275						
Duplicate (1120489-DUP1)			**Source: SB36674-38**			Prepared: 05-Oct-11	Analyzed: 11-Oct-11			
Mercury	**0.0214**	J	mg/kg dry	0.0307		0.0237			10	20
Matrix Spike (1120489-MS1)			**Source: SB36674-38**			Prepared: 05-Oct-11	Analyzed: 11-Oct-11			
Mercury	**0.578**	QC2	mg/kg dry	0.145	0.403	0.0237	138	75-125		
Matrix Spike Dup (1120489-MSD1)			**Source: SB36674-38**			Prepared: 05-Oct-11	Analyzed: 11-Oct-11			
Mercury	**0.558**		mg/kg dry	0.156	0.434	0.0237	123	75-125	3	20
Post Spike (1120489-PS1)			**Source: SB36674-38**			Prepared: 05-Oct-11	Analyzed: 11-Oct-11			
Mercury	**0.577**	QC2	mg/kg dry	0.150	0.417	0.0237	133	80-120		
Reference (1120489-SRM1)						Prepared: 05-Oct-11	Analyzed: 11-Oct-11			
Mercury	**5.67**	QC2	mg/kg wet	0.600	3.89		146	71.7-128.3		
Batch 1120949 - EPA200/SW7000 Series										
Blank (1120949-BLK1)						Prepared & Analyzed: 12-Oct-11				
Mercury	< 0.0267		mg/kg wet	0.0267						
Duplicate (1120949-DUP1)			**Source: SB36674-08**			Prepared & Analyzed: 12-Oct-11				
Mercury	**0.100**		mg/kg dry	0.0326		0.114			13	20
Matrix Spike (1120949-MS1)			**Source: SB36674-08**			Prepared & Analyzed: 12-Oct-11				
Mercury	**0.632**		mg/kg dry	0.157	0.435	0.114	119	75-125		
Matrix Spike Dup (1120949-MSD1)			**Source: SB36674-08**			Prepared & Analyzed: 12-Oct-11				
Mercury	**0.673**		mg/kg dry	0.170	0.473	0.114	118	75-125	6	20
Reference (1120949-SRM1)						Prepared & Analyzed: 12-Oct-11				
Mercury	**4.87**		mg/kg wet	0.300	3.92		124	71.7-128.3		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120588 - General Preparation										
Duplicate (1120588-DUP1)			**Source: SB36674-16**		Prepared & Analyzed: 06-Oct-11					
% Solids	**23.2**		%			22.8			2	20
Batch 1120590 - General Preparation										
Duplicate (1120590-DUP1)			**Source: SB36674-31**		Prepared & Analyzed: 06-Oct-11					
% Solids	**83.4**		%			82.6			1	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S109142				
Calibration Check (S109142-CCV1)				
C9-C36 Aliphatic Hydrocarbons	6.423842E+08	3.752791E+08	-6.9	20
n-Nonadecane	3.521995E+08	3.178584E+08	-9.8	20
n-Nonane	3.074149E+08	3.092805E+08	0.6	20
n-Decane	3.144111E+08	3.238308E+08	3.0	20
n-Dodecane	3.25739E+08	3.142078E+08	-3.5	20
n-Tetradecane	3.362267E+08	3.161462E+08	-6.0	20
n-Hexadecane	3.458793E+08	3.213222E+08	-7.1	20
n-Octadecane	3.478515E+08	3.170587E+08	-8.9	20
n-Eicosane	3.507501E+08	3.153421E+08	-10.1	20
n-Docosane	3.523412E+08	3.148198E+08	-10.6	20
n-Tetracosane	3.44163E+08	3.070474E+08	-10.8	20
n-Hexacosane	3.416689E+08	3.040794E+08	-11.0	20
n-Octacosane	3.329311E+08	2.964234E+08	-11.0	20
n-Triacontane	3.214128E+08	2.907012E+08	-9.6	20
n-Hexatriacontane	2.292601E+08	2.560178E+08	11.7	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S109142				
Calibration Check (S109142-CCV2)				
C9-C36 Aliphatic Hydrocarbons	6.423842E+08	3.847405E+08	-3.8	20
n-Nonadecane	3.521995E+08	3.354475E+08	-4.8	20
n-Nonane	3.074149E+08	3.43069E+08	11.6	20
n-Decane	3.144111E+08	3.538496E+08	12.5	20
n-Dodecane	3.25739E+08	3.425454E+08	5.2	20
n-Tetradecane	3.362267E+08	3.435773E+08	2.2	20
n-Hexadecane	3.458793E+08	3.442595E+08	-0.5	20
n-Octadecane	3.478515E+08	3.379035E+08	-2.9	20
n-Eicosane	3.507501E+08	3.299511E+08	-5.9	20
n-Docosane	3.523412E+08	3.242441E+08	-8.0	20
n-Tetracosane	3.44163E+08	3.111879E+08	-9.6	20
n-Hexacosane	3.416689E+08	3.050696E+08	-10.7	20
n-Octacosane	3.329311E+08	2.974061E+08	-10.7	20
n-Triacontane	3.214128E+08	2.925821E+08	-9.0	20
n-Hexatriacontane	2.292601E+08	2.639499E+08	15.1	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S109142				
Calibration Check (S109142-CCV3)				
C9-C36 Aliphatic Hydrocarbons	6.423842E+08	3.917594E+08	-1.5	20
n-Nonadecane	3.521995E+08	3.194859E+08	-9.3	20
n-Nonane	3.074149E+08	3.249101E+08	5.7	20
n-Decane	3.144111E+08	3.426338E+08	9.0	20
n-Dodecane	3.25739E+08	3.265519E+08	0.2	20
n-Tetradecane	3.362267E+08	3.278654E+08	-2.5	20
n-Hexadecane	3.458793E+08	3.278878E+08	-5.2	20
n-Octadecane	3.478515E+08	3.21016E+08	-7.7	20
n-Eicosane	3.507501E+08	3.143698E+08	-10.4	20
n-Docosane	3.523412E+08	3.101419E+08	-12.0	20
n-Tetracosane	3.44163E+08	2.998822E+08	-12.9	20
n-Hexacosane	3.416689E+08	2.970389E+08	-13.1	20
n-Octacosane	3.329311E+08	2.926392E+08	-12.1	20
n-Triacontane	3.214128E+08	2.904262E+08	-9.6	20
n-Hexatriacontane	2.292601E+08	2.683107E+08	17.0	20

Semivolatile Organic Compounds by GC - Pesticide Breakdown Report

Analyte(s)	Column	% Breakdown	Limit
Batch S109191			
Performance Mix (S109191-PEM1)			
4,4'-DDT (p,p')	1	1.2	15.0
Endrin	1	1.1	15.0
4,4'-DDT (p,p')	2	1.2	15.0
Endrin	2	1.2	15.0
Performance Mix (S109191-PEM2)			
4,4'-DDT (p,p')	1	0.9	15.0
Endrin	1	0.9	15.0
4,4'-DDT (p,p')	2	1.3	15.0
Endrin	2	1.0	15.0

Notes and Definitions

DC9	Matrix interference affected the internal standard recovery on the primary column. The results from the confirmation column were used.
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
P	Difference between the two GC columns is greater than 40%.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
R01	The Reporting Limit has been raised to account for matrix interference.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as Calculated as.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Nicole Leja

SB 34674 M

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 4/5 (6)

Special Handling: 5
☒ Standard TAT ~~- 7 to 10 bus~~iness days
☐ Rush TAT - Date Needed: _____
· All TATs subject to laboratory approval.
· Min. 24-hour notification needed for rushes.
· Samples disposed of after 60 days unless otherwise instructed.

Report To: AECom
500 Enterprise Dr Ste 1A
Rocky Hill, CT 06067

Telephone #: 860 263 5900
Project Mgr. Malcolm Beeler

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 60225155.0100
Site Name: GHS - MISA
Location: Greenwich State: CT
Sampler(s): GB / SH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= Ice 11= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

List preservative code below: 10 | 10 | 10 | 10 | 10

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCBs	Metals	ETPH	PAHs	Pesticides			
34674.01	AI19-SB200(0-0.5)-1	10/2/11	1009	G	So		1			X							
.02	AI19-SB200(1-2)-1		1012				1				X	X					
.03	AI19-SB200(8-9)-1		1019				1			X	X	X					
.04	AI19-SB200(15-15.5)-1		1042				1			X							
.05	AI19-SB200(18-18.5)-1		1045				1			X							
.06	AI19-SB201(0-0.5)-2		1105				1			X				X			
.07	AI19-SB201(0-0.5)-1		1105				1			X				X			
.08	AI19-SB201(3-3.5)-1		1110				1				X						
.09	AI19-SB201(6-6.5)-1		1120				1			X	X						
.10	AI19-SB201(11-11.5)-1		1125				1			X	X						

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[signature]	[signature]	10/3/11	18:40	3.4

☒ EDD Format QUIS
☒ E-mail to malcolm.beeler@aecom.com
colleen.scott@aecom.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ____ °C ☐ Freezer temp ____ °C

SB 36674 M

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 5

Special Handling: 5
- [x] Standard TAT - ~~7 to 10 business~~ days
- [ ] Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: AECOM
500 Enterprise Dr Ste 1A
Rocky Hill, CT 06067

Telephone #: 860 263 5800
Project Mgr. Malcolm Beeler

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 60225155.0100
Site Name: GHS - MISA
Location: Greenwich State: CT
Sampler(s): GB/JH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= _____ 11= _____

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= Ice X3= _____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCBs	Metals	ETPH	PAHs	Pesticides	MS/MSD		
36674.11	AH19-SB201(14.5-15)	10/2/11	1128	G	SO		1			X							
.12	AF21-SB202(0-0.5)-1		1158				1			X				X			
.13	AF21-SB202(3-3.5)-1		1200				1				X	X	X				
.14	AF21-SB202(6.5-7)-1		1210				1			X	X	X	X				
.15	AF21-SB202(9-9.5)-1		1224				1			X							
.16	AF21-SB202(12-13)-1		1226				3			X					X		
.17	AF23-SB203(0-1)-1		1341				1			X	X		X				
.18	AF23-SB203(8-9)-1		1324				1			X	X		X				
.19	AF23-SB203(11.5-12)-1		1332				1			X							

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	10-3-11	1233	
[signature]	[signature]	10/3/11	18:40	3.4

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☒ E-mail to Malcolm.Beeler@aecom.com
colleen.Scott@aecom.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

SB 31674 M

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of ~~4~~ 5

Special Handling: 5
- [x] Standard TAT ~~7 to 10 b~~usiness days
- [ ] Rush TAT - Date Needed: _____
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Report To: AECOM
500 Enterprise Dr Ste 1A
Rocky Hill, CT 06067

Telephone #: 860.263.5800
Project Mgr. Malcolm Beeler

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 60225155.0100
Site Name: GHS-MIS 4
Location: Greenwich State: CT
Sampler(s): GB / JH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= ice 11= _____

List preservative code below: 10 10 10 10 10 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes [ ] No [ ]
CT DPH RCP Report: Yes [x] No [ ]

QA/QC Reporting Level
- [x] Standard
- [ ] No QC
- [ ] DQA*
- [ ] NY ASP A*
- [ ] NY ASP B*
- [ ] NJ Reduced*
- [ ] NJ Full*
- [ ] TIER II*
- [ ] TIER V*
- [ ] Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCBs	metals	ETPH	PAHs	Pesticides	MOLD		
31674.20	AH23-SB204(0-5)-1	10/2/11	1358	G	So		1			X							
.21	AH23-SB204(2-3)-1	↓	1406	↓	↓		↓			X	X		X				
.22	AH23-SB204(7-8)-1		1412							X	X		X				
.23	AH23-SB204(8-9)-1		1420												X		
.24	AH23-SB204(15-16)-1		1428							X							
.25	AI22-SB205(0-1)-1		1440							X				X			
.26	AI22-SB205(2-3)-1		1450								X		X				
.27	AI22-SB205(6-7)-1		1500							X	X						
.28	AI22-SB205(9-10)-1		1505							X			X				
.29	AI22-SB205(15-16)-1		1510							X							

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	10-3-11	1233	
[signature]	[signature]	10/3/11	18:40	3.4

- [x] EDD Format EQUIS
- [x] E-mail to malcolm.Beeler@aecom.com
colleen.Scott@Aecom.com

[ ] Ambient [x] Iced [ ] Refrigerated [ ] Fridge temp ___ °C [ ] Freezer temp ___ °C

SB 36674M

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 5

Special Handling:
- [x] Standard TAT - ~~7 to 10 business~~ 5 Day days
- [ ] Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: AECOM
500 Enterprise Dr Ste 1A
Rocky Hill, CT 06067

Telephone #: 860 263 5800
Project Mgr. Malcolm Beeler

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 60225155.0100
Site Name: GHS-MISA
Location: Greenwich State: CT
Sampler(s): GB/JH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= ice 11= _____

List preservative code below: 10 | 10 | 10 | 10 | 10

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCBs	metals	ETPH	PAH	Pesticides
36674.30	AJ23-SB207(0-.5)-1	10/2/11	1635	G	So		1			X				
.31	AJ23-SB207(2.5-3)-1		1640				1				X	X	X	
.32	AJ23-SB207(2.5-3)-2		1640				1				X	X	X	
.33	AJ23-SB207(6-6.5)-1		1645				1			X	X	X	X	
.34	AJ23-SB207(13-13.5)-1		1650				1			X				

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic
Analyses: PCBs, metals, ETPH, PAH, Pesticides

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☑ No ☐

QA/QC Reporting Level
☑ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	10-3-11	1233	
[signature]	[signature]	10/3/11	18:40	3.4

☑ EDD Format EQuis
☐ E-mail to Malcolm.beeler@aecom.com
Colleen.Scott@aecom.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ____ °C ☐ Freezer temp ____ °C

SB 34674 M

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 5 of 5

Special Handling: 5
☐ Standard TAT ~~- 7 to 10~~ business days
☐ Rush TAT - Date Needed: _____
· All TATs subject to laboratory approval.
· Min. 24-hour notification needed for rushes.
· Samples disposed of after 60 days unless otherwise instructed.

Report To: AECOM
500 Enterprise Dr Ste 1A
Rocky Hill, CT 06067

Telephone #: 860.263.5800
Project Mgr. Malcom Beeler

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 60225155.0100
Site Name: GMS - MISA
Location: Greenwich State: CT
Sampler(s): GB/JH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= ice 11= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

List preservative code below: 10 10 10 10 10

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCBs	Metals	ETPH	PAHs	Pesticides
34674.35	AH21-SB206(0-0.5)	10/2/11	1545	G	So		1			X				X
.36	AH21-SB206(0-0.5)-2		1545							X				X
.37	AH21-SB206(4-5)-1		1600							X	X		X	
.38	AH21-SB206(8-9)-1		1610							X	X		X	
.39	AH21-SB206(8-9)-2		1610							X	X		X	
.40	AH21-SB206(11-12)-1		1615							X				

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	10-3-11	1233	
[signature]	[signature]	10/3/11	18:40	34

☒ EDD Format EQUIS
☒ E-mail to malcolm.beeler@aecom.com
colleen-scott@aecom.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

SB 31604 M

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 4/5

Special Handling: 5
☒ Standard TAT ~~7 to 10~~ business days
☐ Rush TAT - Date Needed: _____
· All TATs subject to laboratory approval.
· Min. 24-hour notification needed for rushes.
· Samples disposed of after 60 days unless otherwise instructed.

Report To: AECOM
500 Enterprise Dr Ste 1A
Rocky Hill, CT 06067

Telephone #: 860 263 5800
Project Mgr. Malcolm Beeler

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 60225155.0100
Site Name: GHS - MISA
Location: Greenwich State: CT
Sampler(s): GB / SH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= Ice 11= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

List preservative code below: 10 10 10 10 10

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		PCBs	Metals (RSR)	ETPH	PAHs	Pesticides				
31604.01	AI19-SB200(0-0.5)-1	10/2/11	1009	G	So		1				X								per client req
.02	AI19-SB200(1-2)-1		1017				1					X	X						
.03	AI19-SB200(8-9)-1		1019				1				X	X	X						
.04	AI19-SB200(15-15.5)-1		1042				1				X								
.05	AI19-SB200(18-18.5)-1		1045				1				X								
.06	AI19-SB201(0-0.5)-2		1105				1				X				X				
.07	AI19-SB201(0-0.5)-1		1105				1				X				X				
.08	AI19-SB201(3-3.5)-1		1110				1					X							
.09	AI19-SB201(6-6.5)-1		1120				1				X	X							
.10	AI19-SB201(11-11.5)-1		1125				1				X	X							

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	[signature]	10-3-11	1233	
[signature]	Tamck	10/3/11	18:40	3.4

☒ EDD Format QUIS
☒ E-mail to malcolm.beeler@aecom.com
colleen.scott@aecom.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ____ °C ☐ Freezer temp ____ °C

Report Date:
24-Oct-11 14:37

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

AECOM Environment
500 Enterprise Drive, Suite 1A
Rocky Hill, CT 06067
Attn: Malcolm Beeler

Project: Greenwich HS - Greenwich, CT
Project #: 60225155

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB37166-01	AI-23-SB208 (0-0.5)	Soil	09-Oct-11 10:10	11-Oct-11 14:58
SB37166-02	AI-23-SB208 (0.5-2)	Soil	09-Oct-11 10:30	11-Oct-11 14:58
SB37166-03	AI-23-SB208 (6-7)	Soil	09-Oct-11 10:35	11-Oct-11 14:58
SB37166-04	AI-23-SB208 (10.5-11)	Soil	09-Oct-11 10:40	11-Oct-11 14:58
SB37166-05	AJ-22-SB209(0-0.5)	Soil	09-Oct-11 10:45	11-Oct-11 14:58
SB37166-06	AJ-22-SB209(1-3)	Soil	09-Oct-11 10:50	11-Oct-11 14:58
SB37166-07	AJ-22-SB209(5-6)	Soil	09-Oct-11 11:00	11-Oct-11 14:58
SB37166-08	AJ-22-SB209(7-8)	Soil	09-Oct-11 11:05	11-Oct-11 14:58
SB37166-09	AJ-21-SB210(0-0.5)	Soil	09-Oct-11 11:10	11-Oct-11 14:58
SB37166-10	AJ-21-SB210(4.5-5.5)	Soil	09-Oct-11 11:15	11-Oct-11 14:58
SB37166-11	AJ-21-SB210(0-4)	Soil	09-Oct-11 11:20	11-Oct-11 14:58
SB37166-12	AJ-21-SB210(6-7)	Soil	09-Oct-11 11:25	11-Oct-11 14:58
SB37166-13	AJ-21-SB210(5-9)	Soil	09-Oct-11 11:25	11-Oct-11 14:58
SB37166-14	AJ-21-SB210(14-15)	Soil	09-Oct-11 11:30	11-Oct-11 14:58
SB37166-15	AI-21-SB211(0-0.5)	Soil	09-Oct-11 11:50	11-Oct-11 14:58
SB37166-16	AI-21-SB211(4.5-5)	Soil	09-Oct-11 11:55	11-Oct-11 14:58
SB37166-17	AI-21-SB211(6-8)	Soil	09-Oct-11 11:55	11-Oct-11 14:58
SB37166-18	AI-21-SB211(6-8) DUP	Soil	09-Oct-11 11:55	11-Oct-11 14:58
SB37166-19	AI-21-SB211(14-15)	Soil	09-Oct-11 12:00	11-Oct-11 14:58
SB37166-20	AH-22-SB212(0-0.5)	Soil	09-Oct-11 12:15	11-Oct-11 14:58
SB37166-21	AH-22-SB212 (4-5)	Soil	09-Oct-11 12:20	11-Oct-11 14:58
SB37166-22	AH-22-SB212 (5.5-6)	Soil	09-Oct-11 12:25	11-Oct-11 14:58
SB37166-23	AH-22-SB212 (8-10)	Soil	09-Oct-11 12:40	11-Oct-11 14:58
SB37166-24	AH-22-SB212 (14-15)	Soil	09-Oct-11 12:45	11-Oct-11 14:58
SB37166-25	AG-22-SB213 (0-0.5)	Soil	09-Oct-11 13:00	11-Oct-11 14:58
SB37166-26	AG-22-SB213 (2-2.5)	Soil	09-Oct-11 13:10	11-Oct-11 14:58
SB37166-27	AG-22-SB213 (0-4)	Soil	09-Oct-11 13:15	11-Oct-11 14:58
SB37166-28	AG-22-SB213 (0-4) DUP	Soil	09-Oct-11 13:15	11-Oct-11 14:58
SB37166-29	AG-22-SB213 (6-7)	Soil	09-Oct-11 13:20	11-Oct-11 14:58
SB37166-30	AG-22-SB213 (10-15)	Soil	09-Oct-11 13:25	11-Oct-11 14:58
SB37166-31	AG-22-SB213 (5-9)	Soil	09-Oct-11 13:25	11-Oct-11 14:58
SB37166-32	AG-21-SB214 (0-0.5)	Soil	09-Oct-11 13:30	11-Oct-11 14:58
SB37166-33	AG-21-SB214 (4.5-5.5)	Soil	09-Oct-11 13:35	11-Oct-11 14:58
SB37166-34	AG-21-SB214 (8.0-8.5)	Soil	09-Oct-11 13:40	11-Oct-11 14:58
SB37166-35	AG-21-SB214 (13-14)	Soil	09-Oct-11 13:45	11-Oct-11 14:58
SB37166-36	AF-22-SB215 (0-0.5)	Soil	09-Oct-11 13:50	11-Oct-11 14:58
SB37166-37	AF-22-SB215 (1-3)	Soil	09-Oct-11 13:55	11-Oct-11 14:58

SB37166-38	AF-22-SB215 (1-3) DUP	Soil	09-Oct-11 13:55	11-Oct-11 14:58
SB37166-39	AF-22-SB215 (5-6)	Soil	09-Oct-11 13:55	11-Oct-11 14:58
SB37166-40	AF-22-SB215 (8-9)	Soil	09-Oct-11 14:00	11-Oct-11 14:58
SB37166-41	AG-23-SB216 (0-0.5)	Soil	09-Oct-11 14:30	11-Oct-11 14:58
SB37166-42	AG-23-SB216 (3-4)	Soil	09-Oct-11 14:35	11-Oct-11 14:58
SB37166-43	AG-23-SB216 (9-10)	Soil	09-Oct-11 14:40	11-Oct-11 14:58
SB37166-44	AG-23-SB216 (14-15)	Soil	09-Oct-11 14:40	11-Oct-11 14:58
SB37166-45	AF-24-SB217 (0-4)	Soil	09-Oct-11 14:50	11-Oct-11 14:58
SB37166-46	AF-24-SB217 (0-0.5)	Soil	09-Oct-11 14:50	11-Oct-11 14:58
SB37166-47	AF-24-SB217 (0-1)	Soil	09-Oct-11 14:55	11-Oct-11 14:58
SB37166-48	AF-24-SB217 (4-5)	Soil	09-Oct-11 15:05	11-Oct-11 14:58
SB37166-49	AF-24-SB217 (5-9)	Soil	09-Oct-11 15:10	11-Oct-11 14:58
SB37166-50	AF-24-SB217 (5-6)	Soil	09-Oct-11 15:15	11-Oct-11 14:58
SB37166-51	AF-24-SB217 (8-9)	Soil	09-Oct-11 15:20	11-Oct-11 14:58

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 76 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: AECOM Environment - Rocky Hill, CT

Project Location: Greenwich HS - Greenwich, CT

Project Number: 60225155

Sampling Date(s):
10/9/2011

Laboratory Sample ID(s):
SB37166-01 through SB37166-51

RCP Methods Used:

CT ETPH
SW846 6010C
SW846 7471B
SW846 8081B
SW846 8082A
SW846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes No
3	Were samples received at an appropriate temperature?	✓ Yes No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes ✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? * b) Were these reporting limits met? ** Exceptions are defined by qualifiers*	Yes ✓ No Yes No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes ✓ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja
Laboratory Director
Date: 10/24/2011

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 2.3 degrees Celsius. The condition of these samples was further noted as refrigerated. The samples were transported on ice to the laboratory facility and the temperature was recorded at 2.0 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

SW846 8082 Case Narrative:

SB37166-16 had a large peak affecting a large area of the chromatogram. The analyst performed a 3660 Sulfur Cleanup on the affected sample, which improved the background a little however the sample still had interference around the internal standard. The results from the confirmation column were used for this sample.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

CT ETPH

Samples:

SB37166-16 *AI-21-SB211(4.5-5)*

The Reporting Limit has been raised to account for matrix interference.

SB37166-19 *AI-21-SB211(14-15)*

The Reporting Limit has been raised to account for matrix interference.

SW846 8082A

Spikes:

1121198-MS1 *Source: SB37166-01*

SW846 8082A

Spikes:

1121198-MS1 *Source: SB37166-01*

Multiple analyses indicate the percent recovery exceeds the Quality Control acceptance criteria due to a matrix effect.

Aroclor-1016
Aroclor-1016 [2C]

1121198-MSD1 *Source: SB37166-01*

Multiple analyses indicate the percent recovery exceeds the Quality Control acceptance criteria due to a matrix effect.

Aroclor-1016
Aroclor-1016 [2C]

Duplicates:

1121087-DUP1 *Source: SB37166-42*

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

Aroclor-1260

Samples:

SB37166-16 *AI-21-SB211(4.5-5)*

Matrix interference affected the internal standard recovery on the primary column. The results from the confirmation column were used.

2,4,5,6-TC-M-Xylene (IS)
Decachlorobiphenyl (Sr)

SW846 8270D

Samples:

S109463-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2-Methylnaphthalene (21.2%)
Fluoranthene (27.3%)

This affected the following samples:

1121373-BLK1
1121373-BS1

SB37166-10 *AJ-21-SB210(4.5-5.5)*

The Reporting Limit has been raised to account for matrix interference.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI-23-SB208 (0-0.5)	60225155	Soil	09-Oct-11 10:10	11-Oct-11
SB37166-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 22.0		µg/kg dry	22.0	11.0	1	SW846 8082A	13-Oct-11	16-Oct-11	IMR	1121198	X
11104-28-2	Aroclor-1221	< 22.0		µg/kg dry	22.0	19.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.0		µg/kg dry	22.0	14.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.0		µg/kg dry	22.0	13.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.0		µg/kg dry	22.0	10.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.0		µg/kg dry	22.0	16.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.0		µg/kg dry	22.0	9.83	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.0		µg/kg dry	22.0	20.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.0		µg/kg dry	22.0	6.91	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	88.3		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121427	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI-23-SB208 (0.5-2)	60225155	Soil	09-Oct-11 10:30	11-Oct-11
SB37166-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 23.4		µg/kg dry	23.4	11.7	1	SW846 8082A	13-Oct-11	16-Oct-11	IMR	1121198	X
11104-28-2	Aroclor-1221	< 23.4		µg/kg dry	23.4	21.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.4		µg/kg dry	23.4	15.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.4		µg/kg dry	23.4	13.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.4		µg/kg dry	23.4	11.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.4		µg/kg dry	23.4	17.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.4		µg/kg dry	23.4	8.95	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.4		µg/kg dry	23.4	21.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.4		µg/kg dry	23.4	7.33	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**84.3**		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121427	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI-23-SB208 (6-7)	60225155	Soil	09-Oct-11 10:35	11-Oct-11
SB37166-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.8		µg/kg dry	20.8	10.4	1	SW846 8082A	13-Oct-11	15-Oct-11	SM	1121198	X
11104-28-2	Aroclor-1221	< 20.8		µg/kg dry	20.8	18.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.8		µg/kg dry	20.8	13.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.8		µg/kg dry	20.8	12.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.8		µg/kg dry	20.8	10.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.8		µg/kg dry	20.8	15.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.8		µg/kg dry	20.8	7.98	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.8		µg/kg dry	20.8	19.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.8		µg/kg dry	20.8	6.53	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*96*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*92*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*71*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	94.5		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121427	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI-23-SB208 (10.5-11)	60225155	Soil	09-Oct-11 10:40	11-Oct-11
SB37166-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.9		µg/kg dry	20.9	10.4	1	SW846 8082A	13-Oct-11	15-Oct-11	SM	1121198	X
11104-28-2	Aroclor-1221	< 20.9		µg/kg dry	20.9	18.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.9		µg/kg dry	20.9	13.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.9		µg/kg dry	20.9	12.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.9		µg/kg dry	20.9	10.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.9		µg/kg dry	20.9	15.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	49.8		µg/kg dry	20.9	7.99	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.9		µg/kg dry	20.9	19.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.9		µg/kg dry	20.9	6.55	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*111*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*108*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*104*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*77*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	92.0		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121427	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AJ-22-SB209(0-0.5)	60225155	Soil	09-Oct-11 10:45	11-Oct-11
SB37166-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.6		µg/kg dry	21.6	10.8	1	SW846 8082A	13-Oct-11	15-Oct-11	SM	1121198	X
11104-28-2	Aroclor-1221	< 21.6		µg/kg dry	21.6	19.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.6		µg/kg dry	21.6	13.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.6		µg/kg dry	21.6	12.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.6		µg/kg dry	21.6	10.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.6		µg/kg dry	21.6	15.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	34.8		µg/kg dry	21.6	8.28	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.6		µg/kg dry	21.6	20.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.6		µg/kg dry	21.6	6.79	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*117*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*107*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*74*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	92.1		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121427	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AJ-22-SB209(1-3)	60225155	Soil	09-Oct-11 10:50	11-Oct-11
SB37166-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.5		µg/kg dry	21.5	10.7	1	SW846 8082A	13-Oct-11	15-Oct-11	SM	1121198	X
11104-28-2	Aroclor-1221	< 21.5		µg/kg dry	21.5	19.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.5		µg/kg dry	21.5	13.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.5		µg/kg dry	21.5	12.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	106		µg/kg dry	21.5	10.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.5		µg/kg dry	21.5	15.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.5		µg/kg dry	21.5	8.25	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.5		µg/kg dry	21.5	20.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.5		µg/kg dry	21.5	6.75	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*106*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*106*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*108*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*79*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	92.7		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121427	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AJ-22-SB209(5-6)	60225155	Soil	09-Oct-11 11:00	11-Oct-11
SB37166-07				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 22.7		µg/kg dry	22.7	11.4	1	SW846 8082A	13-Oct-11	15-Oct-11	SM	1121198	X
11104-28-2	Aroclor-1221	< 22.7		µg/kg dry	22.7	20.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.7		µg/kg dry	22.7	14.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.7		µg/kg dry	22.7	13.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	138		µg/kg dry	22.7	11.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.7		µg/kg dry	22.7	16.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.7		µg/kg dry	22.7	8.71	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.7		µg/kg dry	22.7	21.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.7		µg/kg dry	22.7	7.14	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*77*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*73*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*53*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	83.4		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121427	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AJ-22-SB209(7-8)	60225155	Soil	09-Oct-11 11:05	11-Oct-11
SB37166-08				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 32.5		µg/kg dry	32.5	16.3	1	SW846 8082A	13-Oct-11	15-Oct-11	SM	1121198	X
11104-28-2	Aroclor-1221	< 32.5		µg/kg dry	32.5	29.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 32.5		µg/kg dry	32.5	20.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 32.5		µg/kg dry	32.5	19.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 32.5		µg/kg dry	32.5	16.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 32.5		µg/kg dry	32.5	23.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 32.5		µg/kg dry	32.5	12.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 32.5		µg/kg dry	32.5	30.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 32.5		µg/kg dry	32.5	10.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*111*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*106*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*109*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*74*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	61.1		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121427	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AJ-21-SB210(0-0.5)	60225155	Soil	09-Oct-11 11:10	11-Oct-11
SB37166-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.8		µg/kg dry	20.8	10.4	1	SW846 8082A	13-Oct-11	15-Oct-11	SM	1121198	X
11104-28-2	Aroclor-1221	< 20.8		µg/kg dry	20.8	18.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.8		µg/kg dry	20.8	13.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.8		µg/kg dry	20.8	12.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.8		µg/kg dry	20.8	10.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.8		µg/kg dry	20.8	15.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.8		µg/kg dry	20.8	9.30	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.8		µg/kg dry	20.8	19.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.8		µg/kg dry	20.8	6.54	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*83*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*83*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*79*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*54*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	92.6		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121427	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AJ-21-SB210(4.5-5.5)	60225155	Soil	09-Oct-11 11:15	11-Oct-11
SB37166-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C			R01										
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 1750		µg/kg dry	1750	197	10	SW846 8270D	17-Oct-11	18-Oct-11	ML	1121373	X
208-96-8	Acenaphthylene	< 1750		µg/kg dry	1750	200	10	"	"	"	"	"	X
120-12-7	Anthracene	< 1750		µg/kg dry	1750	205	10	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 1750		µg/kg dry	1750	203	10	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 1750		µg/kg dry	1750	231	10	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 1750		µg/kg dry	1750	211	10	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 1750		µg/kg dry	1750	268	10	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 1750		µg/kg dry	1750	309	10	"	"	"	"	"	X
218-01-9	Chrysene	< 1750		µg/kg dry	1750	209	10	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 1750		µg/kg dry	1750	241	10	"	"	"	"	"	X
206-44-0	Fluoranthene	< 1750		µg/kg dry	1750	320	10	"	"	"	"	"	X
86-73-7	Fluorene	< 1750		µg/kg dry	1750	222	10	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 1750		µg/kg dry	1750	323	10	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 1750		µg/kg dry	1750	256	10	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 1750		µg/kg dry	1750	207	10	"	"	"	"	"	X
91-20-3	Naphthalene	< 1750		µg/kg dry	1750	177	10	"	"	"	"	"	X
85-01-8	Phenanthrene	< 1750		µg/kg dry	1750	197	10	"	"	"	"	"	X
129-00-0	Pyrene	< 1750		µg/kg dry	1750	352	10	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*40*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*41*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.7		µg/kg dry	20.7	10.4	1	SW846 8082A	13-Oct-11	15-Oct-11	SM	1121198	X
11104-28-2	Aroclor-1221	< 20.7		µg/kg dry	20.7	18.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.7		µg/kg dry	20.7	13.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.7		µg/kg dry	20.7	12.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	1,390		µg/kg dry	20.7	10.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.7		µg/kg dry	20.7	15.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	30.5		µg/kg dry	20.7	7.95	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.7		µg/kg dry	20.7	19.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.7		µg/kg dry	20.7	6.51	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*71*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*46*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	93.9		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121427	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AJ-21-SB210(0-4)	60225155	Soil	09-Oct-11 11:20	11-Oct-11
SB37166-11				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.57		mg/kg dry	1.57	0.242	1	SW846 6010C	17-Oct-11	23-Oct-11	EDT	1121461	X
7440-38-2	Arsenic	10.0		mg/kg dry	1.57	0.253	1	"	"	"	"	"	X
7440-39-3	Barium	99.6		mg/kg dry	1.05	0.253	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.524		mg/kg dry	0.524	0.168	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.524		mg/kg dry	0.524	0.0579	1	"	"	"	"	"	X
7440-47-3	Chromium	22.0		mg/kg dry	1.05	0.382	1	"	"	"	"	"	X
7440-50-8	Copper	15.4		mg/kg dry	1.05	0.118	1	"	"	"	"	"	X
7439-97-6	Mercury	0.153		mg/kg dry	0.0301	0.0062	1	SW846 7471B	14-Oct-11	18-Oct-11	EDT	1121187	X
7440-02-0	Nickel	13.8		mg/kg dry	1.05	0.0723	1	SW846 6010C	17-Oct-11	23-Oct-11	EDT	1121461	X
7439-92-1	Lead	148		mg/kg dry	1.57	0.187	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.24		mg/kg dry	5.24	0.231	1	"	"	"	"	"	X
7782-49-2	Selenium	< 2.15		mg/kg dry	2.15	0.233	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.15		mg/kg dry	3.15	0.259	1	"	"	23-Oct-11	"	"	X
7440-62-2	Vanadium	22.9		mg/kg dry	1.57	0.275	1	"	"	23-Oct-11	"	"	X
7440-66-6	Zinc	82.6		mg/kg dry	1.05	0.228	1	"	"	23-Oct-11	"	"	X
General Chemistry Parameters													
	% Solids	92.5		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121427	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AJ-21-SB210(6-7)	60225155	Soil	09-Oct-11 11:25	11-Oct-11
SB37166-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.2		µg/kg dry	21.2	10.6	1	SW846 8082A	13-Oct-11	15-Oct-11	SM	1121198	X
11104-28-2	Aroclor-1221	< 21.2		µg/kg dry	21.2	19.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.2		µg/kg dry	21.2	13.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.2		µg/kg dry	21.2	12.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.2		µg/kg dry	21.2	10.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.2		µg/kg dry	21.2	15.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.2		µg/kg dry	21.2	8.13	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.2		µg/kg dry	21.2	19.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.2		µg/kg dry	21.2	6.66	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*112*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*106*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	90.4		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AJ-21-SB210(5-9)	60225155	Soil	09-Oct-11 11:25	11-Oct-11
SB37166-13				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.63		mg/kg dry	1.63	0.251	1	SW846 6010C	17-Oct-11	23-Oct-11	EDT	1121461	X
7440-38-2	Arsenic	1.74		mg/kg dry	1.63	0.262	1	"	"	"	"	"	X
7440-39-3	Barium	48.7		mg/kg dry	1.09	0.262	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.543		mg/kg dry	0.543	0.174	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.543		mg/kg dry	0.543	0.0599	1	"	"	"	"	"	X
7440-47-3	Chromium	11.3		mg/kg dry	1.09	0.396	1	"	"	"	"	"	X
7440-50-8	Copper	12.1		mg/kg dry	1.09	0.122	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0314		mg/kg dry	0.0314	0.0064	1	SW846 7471B	14-Oct-11	18-Oct-11	EDT	1121187	X
7440-02-0	Nickel	11.6		mg/kg dry	1.09	0.0748	1	SW846 6010C	17-Oct-11	23-Oct-11	EDT	1121461	X
7439-92-1	Lead	13.4		mg/kg dry	1.63	0.193	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.43		mg/kg dry	5.43	0.239	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.63		mg/kg dry	1.63	0.241	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.26		mg/kg dry	3.26	0.268	1	"	"	23-Oct-11	"	"	X
7440-62-2	Vanadium	13.0		mg/kg dry	1.63	0.285	1	"	"	23-Oct-11	"	"	X
7440-66-6	Zinc	26.7		mg/kg dry	1.09	0.236	1	"	"	23-Oct-11	"	"	X
General Chemistry Parameters													
	% Solids	91.0		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AJ-21-SB210(14-15)	60225155	Soil	09-Oct-11 11:30	11-Oct-11
SB37166-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 1040		µg/kg dry	1040	118	1	SW846 8270D	17-Oct-11	18-Oct-11	ML	1121373	X
208-96-8	Acenaphthylene	< 1040		µg/kg dry	1040	120	1	"	"	"	"	"	X
120-12-7	Anthracene	< 1040		µg/kg dry	1040	123	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 1040		µg/kg dry	1040	122	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 1040		µg/kg dry	1040	138	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 1040		µg/kg dry	1040	126	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 1040		µg/kg dry	1040	160	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 1040		µg/kg dry	1040	185	1	"	"	"	"	"	X
218-01-9	Chrysene	< 1040		µg/kg dry	1040	125	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 1040		µg/kg dry	1040	144	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 1040		µg/kg dry	1040	191	1	"	"	"	"	"	X
86-73-7	Fluorene	< 1040		µg/kg dry	1040	133	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 1040		µg/kg dry	1040	193	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 1040		µg/kg dry	1040	153	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 1040		µg/kg dry	1040	123	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1040		µg/kg dry	1040	106	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 1040		µg/kg dry	1040	118	1	"	"	"	"	"	X
129-00-0	Pyrene	< 1040		µg/kg dry	1040	210	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*81*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*87*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.6		µg/kg dry	62.6	31.3	1	SW846 8082A	13-Oct-11	15-Oct-11	SM	1121198	X
11104-28-2	Aroclor-1221	< 62.6		µg/kg dry	62.6	56.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.6		µg/kg dry	62.6	40.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.6		µg/kg dry	62.6	36.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.6		µg/kg dry	62.6	30.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.6		µg/kg dry	62.6	45.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.6		µg/kg dry	62.6	24.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.6		µg/kg dry	62.6	58.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.6		µg/kg dry	62.6	19.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*57*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*33*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	31.3		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI-21-SB211(0-0.5)	60225155	Soil	09-Oct-11 11:50	11-Oct-11
SB37166-15				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.8		µg/kg dry	21.8	10.9	1	SW846 8082A	13-Oct-11	15-Oct-11	SM	1121198	X
11104-28-2	Aroclor-1221	< 21.8		µg/kg dry	21.8	19.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.8		µg/kg dry	21.8	14.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.8		µg/kg dry	21.8	12.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.8		µg/kg dry	21.8	10.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.8		µg/kg dry	21.8	16.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.8		µg/kg dry	21.8	8.37	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.8		µg/kg dry	21.8	20.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.8		µg/kg dry	21.8	6.86	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*108*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*101*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*106*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*68*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	89.3		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI-21-SB211(4.5-5) SB37166-16	60225155	Soil	09-Oct-11 11:55	11-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 26.2		µg/kg dry	26.2	13.0	1	SW846 8082A	13-Oct-11	17-Oct-11	IMR	1121198	X
11104-28-2	Aroclor-1221	< 26.2		µg/kg dry	26.2	17.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 26.2		µg/kg dry	26.2	20.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 26.2		µg/kg dry	26.2	10.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	5,160		µg/kg dry	26.2	10.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 26.2		µg/kg dry	26.2	11.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	464		µg/kg dry	26.2	11.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 26.2		µg/kg dry	26.2	25.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 26.2		µg/kg dry	26.2	13.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*25*	DC9		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons			R01										
Prepared by method SW846 3550B/C													
8006-61-9	Gasoline	< 68.2		mg/kg dry	68.2	3.4	2	CT ETPH	12-Oct-11	15-Oct-11	SEW	1121023	
68476-30-2	Fuel Oil #2	< 68.2		mg/kg dry	68.2	6.8	2	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 68.2		mg/kg dry	68.2	6.8	2	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 68.2		mg/kg dry	68.2	17.1	2	"	"	"	"	"	
M09800000	Motor Oil	< 68.2		mg/kg dry	68.2	6.8	2	"	"	"	"	"	
J00100000	Aviation Fuel	< 68.2		mg/kg dry	68.2	17.1	2	"	"	"	"	"	
	Unidentified	757		mg/kg dry	68.2	17.1	2	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	68.2	6.8	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	757		mg/kg dry	68.2	6.8	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	757		mg/kg dry	68.2	5.3	2	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*124*			*50-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	75.9		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI-21-SB211(6-8) SB37166-17	60225155	Soil	09-Oct-11 11:55	11-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.4		µg/kg dry	21.4	10.7	1	SW846 8082A	13-Oct-11	16-Oct-11	IMR	1121198	X
11104-28-2	Aroclor-1221	< 21.4		µg/kg dry	21.4	19.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.4		µg/kg dry	21.4	13.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.4		µg/kg dry	21.4	12.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.4		µg/kg dry	21.4	10.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.4		µg/kg dry	21.4	15.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.4		µg/kg dry	21.4	8.21	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.4		µg/kg dry	21.4	20.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.4		µg/kg dry	21.4	6.73	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	92.3		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI-21-SB211(6-8) DUP	60225155	Soil	09-Oct-11 11:55	11-Oct-11
SB37166-18				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.0		µg/kg dry	21.0	10.5	1	SW846 8082A	13-Oct-11	16-Oct-11	IMR	1121198	X
11104-28-2	Aroclor-1221	< 21.0		µg/kg dry	21.0	18.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.0		µg/kg dry	21.0	13.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.0		µg/kg dry	21.0	12.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.0		µg/kg dry	21.0	10.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.0		µg/kg dry	21.0	15.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.0		µg/kg dry	21.0	8.05	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.0		µg/kg dry	21.0	19.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.0		µg/kg dry	21.0	6.60	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**94.0**		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AI-21-SB211(14-15)	60225155	Soil	09-Oct-11 12:00	11-Oct-11
SB37166-19				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.6		µg/kg dry	62.6	31.3	1	SW846 8082A	13-Oct-11	16-Oct-11	IMR	1121198	X
11104-28-2	Aroclor-1221	< 62.6		µg/kg dry	62.6	56.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.6		µg/kg dry	62.6	40.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.6		µg/kg dry	62.6	36.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.6		µg/kg dry	62.6	30.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.6		µg/kg dry	62.6	45.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.6		µg/kg dry	62.6	24.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.6		µg/kg dry	62.6	58.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.6		µg/kg dry	62.6	19.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons			R01										
Prepared by method SW846 3550B/C													
8006-61-9	Gasoline	< 166		mg/kg dry	166	8.3	2	CT ETPH	12-Oct-11	15-Oct-11	SEW	1121023	
68476-30-2	Fuel Oil #2	< 166		mg/kg dry	166	16.6	2	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 166		mg/kg dry	166	16.6	2	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 166		mg/kg dry	166	41.6	2	"	"	"	"	"	
M09800000	Motor Oil	< 166		mg/kg dry	166	16.6	2	"	"	"	"	"	
J00100000	Aviation Fuel	< 166		mg/kg dry	166	41.6	2	"	"	"	"	"	
	Unidentified	930		mg/kg dry	166	41.6	2	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	166	16.6	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	930		mg/kg dry	166	16.6	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	930		mg/kg dry	166	13.0	2	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*65*			*50-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	31.6		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH-22-SB212(0-0.5)	60225155	Soil	09-Oct-11 12:15	11-Oct-11
SB37166-20				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.9		µg/kg dry	20.9	10.4	1	SW846 8082A	13-Oct-11	16-Oct-11	IMR	1121198	X
11104-28-2	Aroclor-1221	< 20.9		µg/kg dry	20.9	18.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.9		µg/kg dry	20.9	13.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.9		µg/kg dry	20.9	12.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.9		µg/kg dry	20.9	10.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.9		µg/kg dry	20.9	15.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.9		µg/kg dry	20.9	8.02	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.9		µg/kg dry	20.9	19.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.9		µg/kg dry	20.9	6.57	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	91.0		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH-22-SB212 (4-5)	60225155	Soil	09-Oct-11 12:20	11-Oct-11
SB37166-21				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.9		µg/kg dry	20.9	10.4	1	SW846 8082A	13-Oct-11	16-Oct-11	IMR	1121198	X
11104-28-2	Aroclor-1221	< 20.9		µg/kg dry	20.9	18.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.9		µg/kg dry	20.9	13.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.9		µg/kg dry	20.9	12.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.9		µg/kg dry	20.9	10.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.9		µg/kg dry	20.9	15.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	74.2		µg/kg dry	20.9	9.32	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.9		µg/kg dry	20.9	19.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.9		µg/kg dry	20.9	6.56	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	92.7		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH-22-SB212 (5.5-6)	60225155	Soil	09-Oct-11 12:25	11-Oct-11
SB37166-22				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 27.7		µg/kg dry	27.7	13.8	1	SW846 8082A	13-Oct-11	16-Oct-11	IMR	1121198	X
11104-28-2	Aroclor-1221	< 27.7		µg/kg dry	27.7	25.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 27.7		µg/kg dry	27.7	17.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 27.7		µg/kg dry	27.7	16.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 27.7		µg/kg dry	27.7	13.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 27.7		µg/kg dry	27.7	20.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	452		µg/kg dry	27.7	12.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 27.7		µg/kg dry	27.7	25.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 27.7		µg/kg dry	27.7	8.70	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3550B/C													
8006-61-9	Gasoline	< 37.1		mg/kg dry	37.1	1.9	1	CT ETPH	12-Oct-11	15-Oct-11	SEW	1121023	
68476-30-2	Fuel Oil #2	< 37.1		mg/kg dry	37.1	3.7	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 37.1		mg/kg dry	37.1	3.7	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 37.1		mg/kg dry	37.1	9.3	1	"	"	"	"	"	
M09800000	Motor Oil	< 37.1		mg/kg dry	37.1	3.7	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 37.1		mg/kg dry	37.1	9.3	1	"	"	"	"	"	
	Unidentified	98.6		mg/kg dry	37.1	9.3	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	37.1	3.7	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	98.6		mg/kg dry	37.1	3.7	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	98.6		mg/kg dry	37.1	2.9	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*101*			*50-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	71.6		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH-22-SB212 (8-10)	60225155	Soil	09-Oct-11 12:40	11-Oct-11
SB37166-23				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3550B/C													
8006-61-9	Gasoline	< 36.9		mg/kg dry	36.9	1.8	1	CT ETPH	12-Oct-11	15-Oct-11	SEW	1121023	
68476-30-2	Fuel Oil #2	< 36.9		mg/kg dry	36.9	3.7	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 36.9		mg/kg dry	36.9	3.7	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 36.9		mg/kg dry	36.9	9.2	1	"	"	"	"	"	
M09800000	Motor Oil	< 36.9		mg/kg dry	36.9	3.7	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 36.9		mg/kg dry	36.9	9.2	1	"	"	"	"	"	
	Unidentified	99.7		mg/kg dry	36.9	9.2	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	36.9	3.7	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	99.7		mg/kg dry	36.9	3.7	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	99.7		mg/kg dry	36.9	2.9	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*103*			*50-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	71.6		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH-22-SB212 (14-15)	60225155	Soil	09-Oct-11 12:45	11-Oct-11
SB37166-24				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.5		µg/kg dry	21.5	10.8	1	SW846 8082A	13-Oct-11	14-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 21.5		µg/kg dry	21.5	19.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.5		µg/kg dry	21.5	13.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.5		µg/kg dry	21.5	12.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.5		µg/kg dry	21.5	10.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.5		µg/kg dry	21.5	15.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.5		µg/kg dry	21.5	8.26	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.5		µg/kg dry	21.5	20.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.5		µg/kg dry	21.5	6.76	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	92.3		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AG-22-SB213 (0-0.5)	60225155	Soil	09-Oct-11 13:00	11-Oct-11
SB37166-25				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.4		µg/kg dry	20.4	10.2	1	SW846 8082A	13-Oct-11	14-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 20.4		µg/kg dry	20.4	18.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.4		µg/kg dry	20.4	13.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.4		µg/kg dry	20.4	12.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.4		µg/kg dry	20.4	9.99	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.4		µg/kg dry	20.4	14.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.4		µg/kg dry	20.4	7.80	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.4		µg/kg dry	20.4	19.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.4		µg/kg dry	20.4	6.39	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	91.8		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AG-22-SB213 (2-2.5)	60225155	Soil	09-Oct-11 13:10	11-Oct-11
SB37166-26				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 183		µg/kg dry	183	20.6	1	SW846 8270D	17-Oct-11	18-Oct-11	ML	1121373	X
208-96-8	Acenaphthylene	< 183		µg/kg dry	183	20.9	1	"	"	"	"	"	X
120-12-7	Anthracene	< 183		µg/kg dry	183	21.5	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 183		µg/kg dry	183	21.3	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 183		µg/kg dry	183	24.2	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 183		µg/kg dry	183	22.1	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 183		µg/kg dry	183	28.0	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 183		µg/kg dry	183	32.4	1	"	"	"	"	"	X
218-01-9	Chrysene	< 183		µg/kg dry	183	21.8	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 183		µg/kg dry	183	25.3	1	"	"	"	"	"	X
206-44-0	Fluoranthene	245		µg/kg dry	183	33.5	1	"	"	"	"	"	X
86-73-7	Fluorene	< 183		µg/kg dry	183	23.3	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 183		µg/kg dry	183	33.8	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 183		µg/kg dry	183	26.8	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 183		µg/kg dry	183	21.6	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 183		µg/kg dry	183	18.5	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 183		µg/kg dry	183	20.6	1	"	"	"	"	"	X
129-00-0	Pyrene	329		µg/kg dry	183	36.8	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*70*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*76*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.2		µg/kg dry	21.2	10.6	1	SW846 8082A	13-Oct-11	14-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 21.2		µg/kg dry	21.2	19.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.2		µg/kg dry	21.2	13.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.2		µg/kg dry	21.2	12.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.2		µg/kg dry	21.2	10.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.2		µg/kg dry	21.2	15.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.2		µg/kg dry	21.2	8.13	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.2		µg/kg dry	21.2	19.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.2		µg/kg dry	21.2	6.66	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	88.9		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AG-22-SB213 (0-4)	60225155	Soil	09-Oct-11 13:15	11-Oct-11
SB37166-27				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.64		mg/kg dry	1.64	0.252	1	SW846 6010C	17-Oct-11	23-Oct-11	EDT	1121461	X
7440-38-2	Arsenic	4.87		mg/kg dry	1.64	0.263	1	"	"	"	"	"	X
7440-39-3	Barium	88.1		mg/kg dry	1.09	0.264	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.546		mg/kg dry	0.546	0.175	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.546		mg/kg dry	0.546	0.0602	1	"	"	"	"	"	X
7440-47-3	Chromium	20.1		mg/kg dry	1.09	0.398	1	"	"	"	"	"	X
7440-50-8	Copper	21.4		mg/kg dry	1.09	0.123	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0533		mg/kg dry	0.0291	0.0060	1	SW846 7471B	14-Oct-11	18-Oct-11	EDT	1121187	X
7440-02-0	Nickel	13.8		mg/kg dry	1.09	0.0752	1	SW846 6010C	17-Oct-11	23-Oct-11	EDT	1121461	X
7439-92-1	Lead	51.4		mg/kg dry	1.64	0.194	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.46		mg/kg dry	5.46	0.240	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.64		mg/kg dry	1.64	0.242	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.27		mg/kg dry	3.27	0.269	1	"	"	23-Oct-11	"	"	X
7440-62-2	Vanadium	21.9		mg/kg dry	1.64	0.286	1	"	"	23-Oct-11	"	"	X
7440-66-6	Zinc	63.6		mg/kg dry	1.09	0.237	1	"	"	23-Oct-11	"	"	X
General Chemistry Parameters													
	% Solids	90.2		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AG-22-SB213 (0-4) DUP SB37166-28	60225155	Soil	09-Oct-11 13:15	11-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.57		mg/kg dry	1.57	0.242	1	SW846 6010C	17-Oct-11	23-Oct-11	EDT	1121461	X
7440-38-2	Arsenic	**4.71**		mg/kg dry	1.57	0.253	1	"	"	"	"	"	X
7440-39-3	Barium	**91.5**		mg/kg dry	1.05	0.253	1	"	"	"	"	"	X
7440-41-7	Beryllium	**0.533**		mg/kg dry	0.524	0.168	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.524		mg/kg dry	0.524	0.0579	1	"	"	"	"	"	X
7440-47-3	Chromium	**21.5**		mg/kg dry	1.05	0.382	1	"	"	"	"	"	X
7440-50-8	Copper	**16.7**		mg/kg dry	1.05	0.118	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.0419**		mg/kg dry	0.0312	0.0064	1	SW846 7471B	14-Oct-11	18-Oct-11	EDT	1121187	X
7440-02-0	Nickel	**20.2**		mg/kg dry	1.05	0.0722	1	SW846 6010C	17-Oct-11	23-Oct-11	EDT	1121461	X
7439-92-1	Lead	**37.3**		mg/kg dry	1.57	0.186	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.24		mg/kg dry	5.24	0.231	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.57		mg/kg dry	1.57	0.232	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.14		mg/kg dry	3.14	0.258	1	"	"	23-Oct-11	"	"	X
7440-62-2	Vanadium	**20.7**		mg/kg dry	1.57	0.275	1	"	"	23-Oct-11	"	"	X
7440-66-6	Zinc	**55.3**		mg/kg dry	1.05	0.228	1	"	"	23-Oct-11	"	"	X
General Chemistry Parameters													
	% Solids	**89.7**		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AG-22-SB213 (6-7)	60225155	Soil	09-Oct-11 13:20	11-Oct-11
SB37166-29				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 241		µg/kg dry	241	27.2	1	SW846 8270D	17-Oct-11	18-Oct-11	ML	1121373	X
208-96-8	Acenaphthylene	< 241		µg/kg dry	241	27.6	1	"	"	"	"	"	X
120-12-7	Anthracene	< 241		µg/kg dry	241	28.3	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 241		µg/kg dry	241	28.1	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 241		µg/kg dry	241	31.9	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 241		µg/kg dry	241	29.1	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 241		µg/kg dry	241	37.0	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 241		µg/kg dry	241	42.7	1	"	"	"	"	"	X
218-01-9	Chrysene	< 241		µg/kg dry	241	28.8	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 241		µg/kg dry	241	33.3	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 241		µg/kg dry	241	44.1	1	"	"	"	"	"	X
86-73-7	Fluorene	< 241		µg/kg dry	241	30.7	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 241		µg/kg dry	241	44.6	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 241		µg/kg dry	241	35.4	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 241		µg/kg dry	241	28.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 241		µg/kg dry	241	24.4	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 241		µg/kg dry	241	27.2	1	"	"	"	"	"	X
129-00-0	Pyrene	< 241		µg/kg dry	241	48.5	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*69*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*69*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 28.0		µg/kg dry	28.0	14.0	1	SW846 8082A	13-Oct-11	15-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 28.0		µg/kg dry	28.0	25.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 28.0		µg/kg dry	28.0	18.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 28.0		µg/kg dry	28.0	16.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 28.0		µg/kg dry	28.0	13.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 28.0		µg/kg dry	28.0	20.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 28.0		µg/kg dry	28.0	10.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 28.0		µg/kg dry	28.0	26.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 28.0		µg/kg dry	28.0	8.78	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	67.5		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AG-22-SB213 (10-15) SB37166-30	60225155	Soil	09-Oct-11 13:25	11-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 27.0		µg/kg dry	27.0	13.5	1	SW846 8082A	13-Oct-11	15-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 27.0		µg/kg dry	27.0	24.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 27.0		µg/kg dry	27.0	17.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 27.0		µg/kg dry	27.0	15.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 27.0		µg/kg dry	27.0	13.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 27.0		µg/kg dry	27.0	19.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 27.0		µg/kg dry	27.0	10.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 27.0		µg/kg dry	27.0	25.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 27.0		µg/kg dry	27.0	8.49	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	72.5		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AG-22-SB213 (5-9) SB37166-31	60225155	Soil	09-Oct-11 13:25	11-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.75		mg/kg dry	1.75	0.270	1	SW846 6010C	17-Oct-11	23-Oct-11	EDT	1121461	X
7440-38-2	Arsenic	2.94		mg/kg dry	1.75	0.281	1	"	"	"	"	"	X
7440-39-3	Barium	121		mg/kg dry	1.17	0.282	1	"	"	"	"	"	X
7440-41-7	Beryllium	0.650		mg/kg dry	0.584	0.187	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.584		mg/kg dry	0.584	0.0644	1	"	"	"	"	"	X
7440-47-3	Chromium	21.3		mg/kg dry	1.17	0.425	1	"	"	"	"	"	X
7440-50-8	Copper	11.8		mg/kg dry	1.17	0.131	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0525		mg/kg dry	0.0358	0.0073	1	SW846 7471B	14-Oct-11	18-Oct-11	EDT	1121187	X
7440-02-0	Nickel	14.2		mg/kg dry	1.17	0.0804	1	SW846 6010C	17-Oct-11	23-Oct-11	EDT	1121461	X
7439-92-1	Lead	17.0		mg/kg dry	1.75	0.208	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.84		mg/kg dry	5.84	0.257	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.75		mg/kg dry	1.75	0.259	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.50		mg/kg dry	3.50	0.288	1	"	"	23-Oct-11	"	"	X
7440-62-2	Vanadium	25.1		mg/kg dry	1.75	0.306	1	"	"	23-Oct-11	"	"	X
7440-66-6	Zinc	32.4		mg/kg dry	1.17	0.254	1	"	"	23-Oct-11	"	"	X
General Chemistry Parameters													
	% Solids	76.9		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AG-21-SB214 (0-0.5)	60225155	Soil	09-Oct-11 13:30	11-Oct-11
SB37166-32				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.6		µg/kg dry	21.6	10.8	1	SW846 8082A	13-Oct-11	15-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 21.6		µg/kg dry	21.6	19.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.6		µg/kg dry	21.6	13.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.6		µg/kg dry	21.6	12.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.6		µg/kg dry	21.6	10.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.6		µg/kg dry	21.6	15.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.6		µg/kg dry	21.6	8.28	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.6		µg/kg dry	21.6	20.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.6		µg/kg dry	21.6	6.78	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	89.5		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AG-21-SB214 (4.5-5.5) SB37166-33	60225155	Soil	09-Oct-11 13:35	11-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.7		µg/kg dry	21.7	10.8	1	SW846 8082A	13-Oct-11	15-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 21.7		µg/kg dry	21.7	19.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.7		µg/kg dry	21.7	13.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.7		µg/kg dry	21.7	12.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.7		µg/kg dry	21.7	10.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.7		µg/kg dry	21.7	15.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	37.9		µg/kg dry	21.7	8.31	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.7		µg/kg dry	21.7	20.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.7		µg/kg dry	21.7	6.81	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	85.3		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AG-21-SB214 (8.0-8.5) SB37166-34	60225155	Soil	09-Oct-11 13:40	11-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 19.7		µg/kg dry	19.7	9.84	1	SW846 8082A	13-Oct-11	15-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 19.7		µg/kg dry	19.7	17.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.7		µg/kg dry	19.7	12.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19.7		µg/kg dry	19.7	11.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 19.7		µg/kg dry	19.7	9.66	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 19.7		µg/kg dry	19.7	14.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 19.7		µg/kg dry	19.7	7.55	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.7		µg/kg dry	19.7	18.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19.7		µg/kg dry	19.7	6.18	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	92.6		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AG-21-SB214 (13-14) SB37166-35	60225155	Soil	09-Oct-11 13:45	11-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.8		µg/kg dry	66.8	33.4	1	SW846 8082A	13-Oct-11	15-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 66.8		µg/kg dry	66.8	60.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.8		µg/kg dry	66.8	42.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.8		µg/kg dry	66.8	39.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.8		µg/kg dry	66.8	32.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.8		µg/kg dry	66.8	49.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.8		µg/kg dry	66.8	25.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.8		µg/kg dry	66.8	62.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.8		µg/kg dry	66.8	21.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	28.8		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF-22-SB215 (0-0.5)	60225155	Soil	09-Oct-11 13:50	11-Oct-11
SB37166-36				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.2		µg/kg dry	20.2	10.1	1	SW846 8082A	13-Oct-11	14-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 20.2		µg/kg dry	20.2	18.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.2		µg/kg dry	20.2	12.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.2		µg/kg dry	20.2	11.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.2		µg/kg dry	20.2	9.90	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.2		µg/kg dry	20.2	14.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.2		µg/kg dry	20.2	7.73	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.2		µg/kg dry	20.2	18.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.2		µg/kg dry	20.2	6.33	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	91.8		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF-22-SB215 (1-3) SB37166-37	60225155	Soil	09-Oct-11 13:55	11-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.6		µg/kg dry	21.6	10.8	1	SW846 8082A	13-Oct-11	14-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 21.6		µg/kg dry	21.6	19.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.6		µg/kg dry	21.6	13.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.6		µg/kg dry	21.6	12.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	570		µg/kg dry	21.6	8.76	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.6		µg/kg dry	21.6	15.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.6		µg/kg dry	21.6	9.65	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.6		µg/kg dry	21.6	20.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.6		µg/kg dry	21.6	6.79	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	88.9		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF-22-SB215 (1-3) DUP SB37166-38	60225155	Soil	09-Oct-11 13:55	11-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.7		µg/kg dry	21.7	10.9	1	SW846 8082A	13-Oct-11	14-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 21.7		µg/kg dry	21.7	19.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.7		µg/kg dry	21.7	14.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.7		µg/kg dry	21.7	12.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	492		µg/kg dry	21.7	10.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.7		µg/kg dry	21.7	15.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.7		µg/kg dry	21.7	8.33	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.7		µg/kg dry	21.7	20.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.7		µg/kg dry	21.7	6.82	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	89.9		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF-22-SB215 (5-6) SB37166-39	60225155	Soil	09-Oct-11 13:55	11-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 22.6		µg/kg dry	22.6	11.3	1	SW846 8082A	13-Oct-11	14-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 22.6		µg/kg dry	22.6	20.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.6		µg/kg dry	22.6	14.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.6		µg/kg dry	22.6	13.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.6		µg/kg dry	22.6	11.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.6		µg/kg dry	22.6	16.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.6		µg/kg dry	22.6	8.65	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.6		µg/kg dry	22.6	21.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.6		µg/kg dry	22.6	7.08	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	88.4		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF-22-SB215 (8-9)	60225155	Soil	09-Oct-11 14:00	11-Oct-11
SB37166-40				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 28.8		µg/kg dry	28.8	14.4	1	SW846 8082A	13-Oct-11	14-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 28.8		µg/kg dry	28.8	25.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 28.8		µg/kg dry	28.8	18.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 28.8		µg/kg dry	28.8	17.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 28.8		µg/kg dry	28.8	14.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 28.8		µg/kg dry	28.8	21.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 28.8		µg/kg dry	28.8	11.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 28.8		µg/kg dry	28.8	26.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 28.8		µg/kg dry	28.8	9.04	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	68.8		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AG-23-SB216 (0-0.5)	60225155	Soil	09-Oct-11 14:30	11-Oct-11
SB37166-41				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.4		µg/kg dry	20.4	10.2	1	SW846 8082A	13-Oct-11	14-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 20.4		µg/kg dry	20.4	18.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.4		µg/kg dry	20.4	13.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.4		µg/kg dry	20.4	12.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.4		µg/kg dry	20.4	10.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.4		µg/kg dry	20.4	15.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	112		µg/kg dry	20.4	9.11	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.4		µg/kg dry	20.4	19.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.4		µg/kg dry	20.4	6.41	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	92.4		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AG-23-SB216 (3-4)	60225155	Soil	09-Oct-11 14:35	11-Oct-11
SB37166-42				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 24.5		µg/kg dry	24.5	12.2	1	SW846 8082A	13-Oct-11	14-Oct-11	SM	1121087	X
11104-28-2	Aroclor-1221	< 24.5		µg/kg dry	24.5	22.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.5		µg/kg dry	24.5	15.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 24.5		µg/kg dry	24.5	14.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 24.5		µg/kg dry	24.5	12.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 24.5		µg/kg dry	24.5	17.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	37.7		µg/kg dry	24.5	10.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.5		µg/kg dry	24.5	22.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.5		µg/kg dry	24.5	7.68	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*104*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*93*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*87*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	79.0		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AG-23-SB216 (9-10)	60225155	Soil	09-Oct-11 14:40	11-Oct-11
SB37166-43				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.2		µg/kg dry	21.2	10.6	1	SW846 8082A	13-Oct-11	14-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 21.2		µg/kg dry	21.2	19.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.2		µg/kg dry	21.2	13.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.2		µg/kg dry	21.2	12.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.2		µg/kg dry	21.2	10.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.2		µg/kg dry	21.2	15.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	71.2		µg/kg dry	21.2	9.48	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.2		µg/kg dry	21.2	19.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.2		µg/kg dry	21.2	6.67	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	89.2		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AG-23-SB216 (14-15) SB37166-44	60225155	Soil	09-Oct-11 14:40	11-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.8		µg/kg dry	21.8	10.9	1	SW846 8082A	13-Oct-11	14-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 21.8		µg/kg dry	21.8	19.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.8		µg/kg dry	21.8	14.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.8		µg/kg dry	21.8	12.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.8		µg/kg dry	21.8	10.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.8		µg/kg dry	21.8	16.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.8		µg/kg dry	21.8	8.36	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.8		µg/kg dry	21.8	20.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.8		µg/kg dry	21.8	6.85	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	91.1		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF-24-SB217 (0-4)	60225155	Soil	09-Oct-11 14:50	11-Oct-11
SB37166-45				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.54		mg/kg dry	1.54	0.238	1	SW846 6010C	17-Oct-11	23-Oct-11	EDT	1121461	X
7440-38-2	Arsenic	5.25		mg/kg dry	1.54	0.248	1	"	"	"	"	"	X
7440-39-3	Barium	137		mg/kg dry	1.03	0.248	1	"	"	"	"	"	X
7440-41-7	Beryllium	0.685		mg/kg dry	0.514	0.165	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.514		mg/kg dry	0.514	0.0568	1	"	"	"	"	"	X
7440-47-3	Chromium	32.0		mg/kg dry	1.03	0.375	1	"	"	"	"	"	X
7440-50-8	Copper	13.5		mg/kg dry	1.03	0.116	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0323		mg/kg dry	0.0323	0.0066	1	SW846 7471B	14-Oct-11	18-Oct-11	EDT	1121187	X
7440-02-0	Nickel	16.6		mg/kg dry	1.03	0.0708	1	SW846 6010C	17-Oct-11	23-Oct-11	EDT	1121461	X
7439-92-1	Lead	18.4		mg/kg dry	1.54	0.183	1	"	"	"	"	"	X
7440-36-0	Antimony	< 5.14		mg/kg dry	5.14	0.226	1	"	"	"	"	"	X
7782-49-2	Selenium	< 2.26		mg/kg dry	2.26	0.228	1	"	"	"	"	"	X
7440-28-0	Thallium	< 3.08		mg/kg dry	3.08	0.253	1	"	"	23-Oct-11	"	"	X
7440-62-2	Vanadium	28.6		mg/kg dry	1.54	0.270	1	"	"	23-Oct-11	"	"	X
7440-66-6	Zinc	49.4		mg/kg dry	1.03	0.223	1	"	"	23-Oct-11	"	"	X
General Chemistry Parameters													
	% Solids	91.3		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF-24-SB217 (0-0.5)	60225155	Soil	09-Oct-11 14:50	11-Oct-11
SB37166-46				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.8		µg/kg dry	20.8	10.4	1	SW846 8082A	13-Oct-11	14-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 20.8		µg/kg dry	20.8	18.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.8		µg/kg dry	20.8	13.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.8		µg/kg dry	20.8	12.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.8		µg/kg dry	20.8	10.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.8		µg/kg dry	20.8	15.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.8		µg/kg dry	20.8	9.30	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.8		µg/kg dry	20.8	19.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.8		µg/kg dry	20.8	6.54	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	91.8		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF-24-SB217 (0-1)	60225155	Soil	09-Oct-11 14:55	11-Oct-11
SB37166-47				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides SW846 8081A													
Prepared by method SW846 3545A													
319-84-6	alpha-BHC	< 5.47		µg/kg dry	5.47	2.33	1	SW846 8081B	12-Oct-11	14-Oct-11	DS	1120982	X
319-85-7	beta-BHC	< 5.47		µg/kg dry	5.47	2.18	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.47		µg/kg dry	5.47	2.55	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 5.47		µg/kg dry	5.47	2.27	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.47		µg/kg dry	5.47	2.23	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.47		µg/kg dry	5.47	5.37	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.47		µg/kg dry	5.47	2.08	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.47		µg/kg dry	5.47	2.66	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.47		µg/kg dry	5.47	1.74	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.47		µg/kg dry	5.47	2.37	1	"	"	"	"	"	X
72-20-8	Endrin	< 8.75		µg/kg dry	8.75	3.53	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 8.75		µg/kg dry	8.75	4.05	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 8.75		µg/kg dry	8.75	2.64	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 8.75		µg/kg dry	8.75	2.32	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 8.75		µg/kg dry	8.75	3.25	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 8.75		µg/kg dry	8.75	2.70	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 8.75		µg/kg dry	8.75	2.65	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 8.75		µg/kg dry	8.75	2.56	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.47		µg/kg dry	5.47	2.47	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	< 5.47		µg/kg dry	5.47	2.20	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 109		µg/kg dry	109	103	1	"	"	"	"	"	X
57-74-9	Chlordane	< 21.9		µg/kg dry	21.9	19.4	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.47		µg/kg dry	5.47	3.24	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*31*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*33*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*36*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*42*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	90.4		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF-24-SB217 (4-5)	60225155	Soil	09-Oct-11 15:05	11-Oct-11
SB37166-48				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 181		µg/kg dry	181	20.3	1	SW846 8270D	17-Oct-11	18-Oct-11	ML	1121373	X
208-96-8	Acenaphthylene	< 181		µg/kg dry	181	20.7	1	"	"	"	"	"	X
120-12-7	Anthracene	< 181		µg/kg dry	181	21.2	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 181		µg/kg dry	181	21.0	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 181		µg/kg dry	181	23.8	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 181		µg/kg dry	181	21.8	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 181		µg/kg dry	181	27.7	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 181		µg/kg dry	181	31.9	1	"	"	"	"	"	X
218-01-9	Chrysene	< 181		µg/kg dry	181	21.6	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 181		µg/kg dry	181	24.9	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 181		µg/kg dry	181	33.0	1	"	"	"	"	"	X
86-73-7	Fluorene	< 181		µg/kg dry	181	23.0	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 181		µg/kg dry	181	33.4	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 181		µg/kg dry	181	26.5	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 181		µg/kg dry	181	21.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 181		µg/kg dry	181	18.3	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 181		µg/kg dry	181	20.3	1	"	"	"	"	"	X
129-00-0	Pyrene	< 181		µg/kg dry	181	36.3	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*80*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*81*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.3		µg/kg dry	20.3	10.2	1	SW846 8082A	13-Oct-11	14-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 20.3		µg/kg dry	20.3	18.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.3		µg/kg dry	20.3	13.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.3		µg/kg dry	20.3	12.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.3		µg/kg dry	20.3	9.97	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.3		µg/kg dry	20.3	14.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.3		µg/kg dry	20.3	7.79	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.3		µg/kg dry	20.3	18.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.3		µg/kg dry	20.3	6.38	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	90.4		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF-24-SB217 (5-9)	60225155	Soil	09-Oct-11 15:10	11-Oct-11
SB37166-49				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.39		mg/kg dry	1.39	0.214	1	SW846 6010C	17-Oct-11	23-Oct-11	EDT	1121461	X
7440-38-2	Arsenic	3.86		mg/kg dry	1.39	0.224	1	"	"	"	"	"	X
7440-39-3	Barium	86.0		mg/kg dry	0.928	0.224	1	"	"	"	"	"	X
7440-41-7	Beryllium	0.608		mg/kg dry	0.464	0.149	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.464		mg/kg dry	0.464	0.0512	1	"	"	"	"	"	X
7440-47-3	Chromium	20.5		mg/kg dry	0.928	0.338	1	"	"	"	"	"	X
7440-50-8	Copper	11.9		mg/kg dry	0.928	0.104	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0293		mg/kg dry	0.0293	0.0060	1	SW846 7471B	14-Oct-11	18-Oct-11	EDT	1121187	X
7440-02-0	Nickel	10.8		mg/kg dry	0.928	0.0639	1	SW846 6010C	17-Oct-11	23-Oct-11	EDT	1121461	X
7439-92-1	Lead	7.10		mg/kg dry	1.39	0.165	1	"	"	"	"	"	X
7440-36-0	Antimony	< 4.64		mg/kg dry	4.64	0.204	1	"	"	"	"	"	X
7782-49-2	Selenium	< 1.39		mg/kg dry	1.39	0.206	1	"	"	"	"	"	X
7440-28-0	Thallium	< 2.78		mg/kg dry	2.78	0.229	1	"	"	23-Oct-11	"	"	X
7440-62-2	Vanadium	18.3		mg/kg dry	1.39	0.243	1	"	"	23-Oct-11	"	"	X
7440-66-6	Zinc	30.2		mg/kg dry	0.928	0.202	1	"	"	23-Oct-11	"	"	X
General Chemistry Parameters													
	% Solids	93.0		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF-24-SB217 (5-6)	60225155	Soil	09-Oct-11 15:15	11-Oct-11
SB37166-50				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 175		µg/kg dry	175	19.7	1	SW846 8270D	17-Oct-11	18-Oct-11	ML	1121373	X
208-96-8	Acenaphthylene	< 175		µg/kg dry	175	20.0	1	"	"	"	"	"	X
120-12-7	Anthracene	< 175		µg/kg dry	175	20.6	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 175		µg/kg dry	175	20.4	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 175		µg/kg dry	175	23.1	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 175		µg/kg dry	175	21.1	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 175		µg/kg dry	175	26.8	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 175		µg/kg dry	175	31.0	1	"	"	"	"	"	X
218-01-9	Chrysene	< 175		µg/kg dry	175	20.9	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 175		µg/kg dry	175	24.2	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 175		µg/kg dry	175	32.0	1	"	"	"	"	"	X
86-73-7	Fluorene	< 175		µg/kg dry	175	22.3	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 175		µg/kg dry	175	32.3	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 175		µg/kg dry	175	25.7	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 175		µg/kg dry	175	20.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 175		µg/kg dry	175	17.7	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 175		µg/kg dry	175	19.7	1	"	"	"	"	"	X
129-00-0	Pyrene	< 175		µg/kg dry	175	35.2	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*71*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*78*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.1		µg/kg dry	20.1	10.0	1	SW846 8082A	13-Oct-11	14-Oct-11	IMR	1121200	X
11104-28-2	Aroclor-1221	< 20.1		µg/kg dry	20.1	18.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.1		µg/kg dry	20.1	12.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.1		µg/kg dry	20.1	11.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.1		µg/kg dry	20.1	9.87	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.1		µg/kg dry	20.1	14.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	65.4		µg/kg dry	20.1	8.98	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.1		µg/kg dry	20.1	18.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.1		µg/kg dry	20.1	6.31	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	93.1		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AF-24-SB217 (8-9) SB37166-51	60225155	Soil	09-Oct-11 15:20	11-Oct-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.8		µg/kg dry	21.8	10.9	1	SW846 8082A	13-Oct-11	15-Oct-11	IMR	1120973	X
11104-28-2	Aroclor-1221	< 21.8		µg/kg dry	21.8	19.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.8		µg/kg dry	21.8	14.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.8		µg/kg dry	21.8	12.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.8		µg/kg dry	21.8	10.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.8		µg/kg dry	21.8	16.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.8		µg/kg dry	21.8	8.35	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.8		µg/kg dry	21.8	20.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.8		µg/kg dry	21.8	6.84	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	90.6		%			1	SM2540 G Mod.	17-Oct-11	17-Oct-11	DT	1121431	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1121373 - SW846 3545A										
Blank (1121373-BLK1)					Prepared & Analyzed: 17-Oct-11					
Acenaphthene	< 165		µg/kg wet	165						
Acenaphthylene	< 165		µg/kg wet	165						
Anthracene	< 165		µg/kg wet	165						
Benzo (a) anthracene	< 165		µg/kg wet	165						
Benzo (a) pyrene	< 165		µg/kg wet	165						
Benzo (b) fluoranthene	< 165		µg/kg wet	165						
Benzo (g,h,i) perylene	< 165		µg/kg wet	165						
Benzo (k) fluoranthene	< 165		µg/kg wet	165						
Chrysene	< 165		µg/kg wet	165						
Dibenzo (a,h) anthracene	< 165		µg/kg wet	165						
Fluoranthene	< 165		µg/kg wet	165						
Fluorene	< 165		µg/kg wet	165						
Indeno (1,2,3-cd) pyrene	< 165		µg/kg wet	165						
1-Methylnaphthalene	< 165		µg/kg wet	165						
2-Methylnaphthalene	< 165		µg/kg wet	165						
Naphthalene	< 165		µg/kg wet	165						
Phenanthrene	< 165		µg/kg wet	165						
Pyrene	< 165		µg/kg wet	165						
Surrogate: 2-Fluorobiphenyl	*1160*		µg/kg wet		*1670*		*70*	*30-130*		
Surrogate: Terphenyl-dl4	*1100*		µg/kg wet		*1670*		*66*	*30-130*		
LCS (1121373-BS1)					Prepared & Analyzed: 17-Oct-11					
Acenaphthene	**1170**		µg/kg wet	165	1670		70	40-140		
Acenaphthylene	**1160**		µg/kg wet	165	1670		70	40-140		
Anthracene	**1260**		µg/kg wet	165	1670		76	40-140		
Benzo (a) anthracene	**1140**		µg/kg wet	165	1670		68	40-140		
Benzo (a) pyrene	**1090**		µg/kg wet	165	1670		66	40-140		
Benzo (b) fluoranthene	**965**		µg/kg wet	165	1670		58	40-140		
Benzo (g,h,i) perylene	**1030**		µg/kg wet	165	1670		62	40-140		
Benzo (k) fluoranthene	**1190**		µg/kg wet	165	1670		71	40-140		
Chrysene	**1190**		µg/kg wet	165	1670		71	40-140		
Dibenzo (a,h) anthracene	**1040**		µg/kg wet	165	1670		63	40-140		
Fluoranthene	**1150**		µg/kg wet	165	1670		69	40-140		
Fluorene	**1140**		µg/kg wet	165	1670		69	40-140		
Indeno (1,2,3-cd) pyrene	**989**		µg/kg wet	165	1670		59	40-140		
1-Methylnaphthalene	**1110**		µg/kg wet	165	1670		67	40-140		
2-Methylnaphthalene	**914**		µg/kg wet	165	1670		55	40-140		
Naphthalene	**940**		µg/kg wet	165	1670		56	40-140		
Phenanthrene	**1120**		µg/kg wet	165	1670		67	40-140		
Pyrene	**1190**		µg/kg wet	165	1670		71	40-140		
Surrogate: 2-Fluorobiphenyl	*1160*		µg/kg wet		*1670*		*69*	*30-130*		
Surrogate: Terphenyl-dl4	*1250*		µg/kg wet		*1670*		*75*	*30-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120973 - SW846 3540C										
Blank (1120973-BLK1)					Prepared: 13-Oct-11 Analyzed: 14-Oct-11					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
LCS (1120973-BS1)					Prepared: 13-Oct-11 Analyzed: 14-Oct-11					
Aroclor-1016	**262**		µg/kg wet	20.0	250		105	50-140		
Aroclor-1016 [2C]	**282**		µg/kg wet	20.0	250		113	50-140		
Aroclor-1260	**240**		µg/kg wet	20.0	250		96	50-140		
Aroclor-1260 [2C]	**266**		µg/kg wet	20.0	250		106	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
LCS Dup (1120973-BSD1)					Prepared: 13-Oct-11 Analyzed: 14-Oct-11					
Aroclor-1016	**266**		µg/kg wet	20.0	250		106	50-140	2	30
Aroclor-1016 [2C]	**275**		µg/kg wet	20.0	250		110	50-140	3	30
Aroclor-1260	**252**		µg/kg wet	20.0	250		101	50-140	5	30
Aroclor-1260 [2C]	**266**		µg/kg wet	20.0	250		106	50-140	0	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Batch 1120982 - SW846 3545A										
Blank (1120982-BLK1)					Prepared: 12-Oct-11 Analyzed: 14-Oct-11					
alpha-BHC	< 5.00		µg/kg wet	5.00						
alpha-BHC [2C]	< 5.00		µg/kg wet	5.00						
beta-BHC	< 5.00		µg/kg wet	5.00						
beta-BHC [2C]	< 5.00		µg/kg wet	5.00						
delta-BHC	< 5.00		µg/kg wet	5.00						
delta-BHC [2C]	< 5.00		µg/kg wet	5.00						
gamma-BHC (Lindane)	< 5.00		µg/kg wet	5.00						
gamma-BHC (Lindane) [2C]	< 5.00		µg/kg wet	5.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120982 - SW846 3545A										
Blank (1120982-BLK1)					Prepared: 12-Oct-11 Analyzed: 14-Oct-11					
Heptachlor	< 5.00		µg/kg wet	5.00						
Heptachlor [2C]	< 5.00		µg/kg wet	5.00						
Aldrin	< 5.00		µg/kg wet	5.00						
Aldrin [2C]	< 5.00		µg/kg wet	5.00						
Heptachlor epoxide	< 5.00		µg/kg wet	5.00						
Heptachlor epoxide [2C]	< 5.00		µg/kg wet	5.00						
Endosulfan I	< 5.00		µg/kg wet	5.00						
Endosulfan I [2C]	< 5.00		µg/kg wet	5.00						
Dieldrin	< 5.00		µg/kg wet	5.00						
Dieldrin [2C]	< 5.00		µg/kg wet	5.00						
4,4'-DDE (p,p')	< 5.00		µg/kg wet	5.00						
4,4'-DDE (p,p') [2C]	< 5.00		µg/kg wet	5.00						
Endrin	< 8.00		µg/kg wet	8.00						
Endrin [2C]	< 8.00		µg/kg wet	8.00						
Endosulfan II	< 8.00		µg/kg wet	8.00						
Endosulfan II [2C]	< 8.00		µg/kg wet	8.00						
4,4'-DDD (p,p')	< 8.00		µg/kg wet	8.00						
4,4'-DDD (p,p') [2C]	< 8.00		µg/kg wet	8.00						
Endosulfan sulfate	< 8.00		µg/kg wet	8.00						
Endosulfan sulfate [2C]	< 8.00		µg/kg wet	8.00						
4,4'-DDT (p,p')	< 8.00		µg/kg wet	8.00						
4,4'-DDT (p,p') [2C]	< 8.00		µg/kg wet	8.00						
Methoxychlor	< 8.00		µg/kg wet	8.00						
Methoxychlor [2C]	< 8.00		µg/kg wet	8.00						
Endrin ketone	< 8.00		µg/kg wet	8.00						
Endrin ketone [2C]	< 8.00		µg/kg wet	8.00						
Endrin aldehyde	< 8.00		µg/kg wet	8.00						
Endrin aldehyde [2C]	< 8.00		µg/kg wet	8.00						
alpha-Chlordane	< 5.00		µg/kg wet	5.00						
alpha-Chlordane [2C]	< 5.00		µg/kg wet	5.00						
gamma-Chlordane	< 5.00		µg/kg wet	5.00						
gamma-Chlordane [2C]	< 5.00		µg/kg wet	5.00						
Toxaphene	< 100		µg/kg wet	100						
Toxaphene [2C]	< 100		µg/kg wet	100						
Chlordane	< 20.0		µg/kg wet	20.0						
Chlordane [2C]	< 20.0		µg/kg wet	20.0						
Alachlor	< 5.00		µg/kg wet	5.00						
Alachlor [2C]	< 5.00		µg/kg wet	5.00						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.8*		µg/kg wet		*10.0*		*108*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*11.2*		µg/kg wet		*10.0*		*112*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.9*		µg/kg wet		*10.0*		*109*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*11.8*		µg/kg wet		*10.0*		*118*	*30-150*		
LCS (1120982-BS1)					Prepared: 12-Oct-11 Analyzed: 14-Oct-11					
alpha-BHC	**22.8**		µg/kg wet	5.00	25.0		91	40-140		
alpha-BHC [2C]	**21.8**		µg/kg wet	5.00	25.0		87	40-140		
beta-BHC	**24.1**		µg/kg wet	5.00	25.0		97	40-140		
beta-BHC [2C]	**24.3**		µg/kg wet	5.00	25.0		97	40-140		
delta-BHC	**16.7**		µg/kg wet	5.00	25.0		67	40-140		
delta-BHC [2C]	**16.1**		µg/kg wet	5.00	25.0		64	40-140		
gamma-BHC (Lindane)	**24.9**		µg/kg wet	5.00	25.0		100	50-120		
gamma-BHC (Lindane) [2C]	**23.2**		µg/kg wet	5.00	25.0		93	50-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120982 - SW846 3545A										
LCS (1120982-BS1)					Prepared: 12-Oct-11 Analyzed: 14-Oct-11					
Heptachlor	**25.2**		µg/kg wet	5.00	25.0		101	40-140		
Heptachlor [2C]	**23.4**		µg/kg wet	5.00	25.0		94	40-140		
Aldrin	**22.5**		µg/kg wet	5.00	25.0		90	40-140		
Aldrin [2C]	**21.4**		µg/kg wet	5.00	25.0		86	40-140		
Heptachlor epoxide	**21.1**		µg/kg wet	5.00	25.0		84	50-140		
Heptachlor epoxide [2C]	**23.4**		µg/kg wet	5.00	25.0		94	50-140		
Endosulfan I	**19.5**		µg/kg wet	5.00	25.0		78	40-140		
Endosulfan I [2C]	**24.7**		µg/kg wet	5.00	25.0		99	40-140		
Dieldrin	**24.7**		µg/kg wet	5.00	25.0		99	40-130		
Dieldrin [2C]	**21.1**		µg/kg wet	5.00	25.0		85	40-130		
4,4'-DDE (p,p')	**23.9**		µg/kg wet	5.00	25.0		96	50-140		
4,4'-DDE (p,p') [2C]	**25.0**		µg/kg wet	5.00	25.0		100	50-140		
Endrin	**26.6**		µg/kg wet	8.00	25.0		106	50-120		
Endrin [2C]	**27.4**		µg/kg wet	8.00	25.0		109	50-120		
Endosulfan II	**25.3**		µg/kg wet	8.00	25.0		101	40-140		
Endosulfan II [2C]	**25.2**		µg/kg wet	8.00	25.0		101	40-140		
4,4'-DDD (p,p')	**27.4**		µg/kg wet	8.00	25.0		109	40-140		
4,4'-DDD (p,p') [2C]	**26.2**		µg/kg wet	8.00	25.0		105	40-140		
Endosulfan sulfate	**20.7**		µg/kg wet	8.00	25.0		83	50-120		
Endosulfan sulfate [2C]	**16.5**		µg/kg wet	8.00	25.0		66	50-120		
4,4'-DDT (p,p')	**22.9**		µg/kg wet	8.00	25.0		92	40-140		
4,4'-DDT (p,p') [2C]	**24.6**		µg/kg wet	8.00	25.0		98	40-140		
Methoxychlor	**25.0**		µg/kg wet	8.00	25.0		100	40-140		
Methoxychlor [2C]	**25.5**		µg/kg wet	8.00	25.0		102	40-140		
Endrin ketone	**22.5**		µg/kg wet	8.00	25.0		90	40-140		
Endrin ketone [2C]	**21.9**		µg/kg wet	8.00	25.0		87	40-140		
Endrin aldehyde	**19.3**		µg/kg wet	8.00	25.0		77	40-140		
Endrin aldehyde [2C]	**18.4**		µg/kg wet	8.00	25.0		73	40-140		
alpha-Chlordane	**22.1**		µg/kg wet	5.00	25.0		88	40-140		
alpha-Chlordane [2C]	**21.4**		µg/kg wet	5.00	25.0		86	40-140		
gamma-Chlordane	**22.3**		µg/kg wet	5.00	25.0		89	40-130		
gamma-Chlordane [2C]	**23.3**		µg/kg wet	5.00	25.0		93	40-130		
Alachlor	**24.3**		µg/kg wet	5.00	25.0		97	40-140		
Alachlor [2C]	**22.3**		µg/kg wet	5.00	25.0		89	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.52*		µg/kg wet		*10.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*9.58*		µg/kg wet		*10.0*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*9.55*		µg/kg wet		*10.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*8.72*		µg/kg wet		*10.0*		*87*	*30-150*		
LCS Dup (1120982-BSD1)					Prepared: 12-Oct-11 Analyzed: 14-Oct-11					
alpha-BHC	**23.2**		µg/kg wet	5.00	25.0		93	40-140	2	30
alpha-BHC [2C]	**21.0**		µg/kg wet	5.00	25.0		84	40-140	4	30
beta-BHC	**24.2**		µg/kg wet	5.00	25.0		97	40-140	0.4	30
beta-BHC [2C]	**22.3**		µg/kg wet	5.00	25.0		89	40-140	9	30
delta-BHC	**16.7**		µg/kg wet	5.00	25.0		67	40-140	0.09	30
delta-BHC [2C]	**15.5**		µg/kg wet	5.00	25.0		62	40-140	4	30
gamma-BHC (Lindane)	**24.5**		µg/kg wet	5.00	25.0		98	50-120	2	30
gamma-BHC (Lindane) [2C]	**21.8**		µg/kg wet	5.00	25.0		87	50-120	6	30
Heptachlor	**25.4**		µg/kg wet	5.00	25.0		102	40-140	0.8	30
Heptachlor [2C]	**22.3**		µg/kg wet	5.00	25.0		89	40-140	5	30
Aldrin	**22.7**		µg/kg wet	5.00	25.0		91	40-140	1	30
Aldrin [2C]	**20.9**		µg/kg wet	5.00	25.0		84	40-140	3	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120982 - SW846 3545A										
LCS Dup (1120982-BSD1)					Prepared: 12-Oct-11 Analyzed: 14-Oct-11					
Heptachlor epoxide	**23.0**		µg/kg wet	5.00	25.0		92	50-140	9	30
Heptachlor epoxide [2C]	**22.2**		µg/kg wet	5.00	25.0		89	50-140	5	30
Endosulfan I	**23.3**		µg/kg wet	5.00	25.0		93	40-140	18	30
Endosulfan I [2C]	**23.3**		µg/kg wet	5.00	25.0		93	40-140	6	30
Dieldrin	**25.0**		µg/kg wet	5.00	25.0		100	40-130	1	30
Dieldrin [2C]	**23.0**		µg/kg wet	5.00	25.0		92	40-130	8	30
4,4'-DDE (p,p')	**24.0**		µg/kg wet	5.00	25.0		96	50-140	0.6	30
4,4'-DDE (p,p') [2C]	**23.6**		µg/kg wet	5.00	25.0		95	50-140	6	30
Endrin	**27.9**		µg/kg wet	8.00	25.0		112	50-120	5	30
Endrin [2C]	**25.9**		µg/kg wet	8.00	25.0		104	50-120	5	30
Endosulfan II	**25.3**		µg/kg wet	8.00	25.0		101	40-140	0.02	30
Endosulfan II [2C]	**23.3**		µg/kg wet	8.00	25.0		93	40-140	8	30
4,4'-DDD (p,p')	**26.2**		µg/kg wet	8.00	25.0		105	40-140	4	30
4,4'-DDD (p,p') [2C]	**23.6**		µg/kg wet	8.00	25.0		95	40-140	10	30
Endosulfan sulfate	**21.0**		µg/kg wet	8.00	25.0		84	50-120	2	30
Endosulfan sulfate [2C]	**19.5**		µg/kg wet	8.00	25.0		78	50-120	17	30
4,4'-DDT (p,p')	**23.2**		µg/kg wet	8.00	25.0		93	40-140	1	30
4,4'-DDT (p,p') [2C]	**22.2**		µg/kg wet	8.00	25.0		89	40-140	10	30
Methoxychlor	**25.2**		µg/kg wet	8.00	25.0		101	40-140	0.9	30
Methoxychlor [2C]	**24.2**		µg/kg wet	8.00	25.0		97	40-140	5	30
Endrin ketone	**22.8**		µg/kg wet	8.00	25.0		91	40-140	2	30
Endrin ketone [2C]	**21.3**		µg/kg wet	8.00	25.0		85	40-140	3	30
Endrin aldehyde	**19.8**		µg/kg wet	8.00	25.0		79	40-140	3	30
Endrin aldehyde [2C]	**17.4**		µg/kg wet	8.00	25.0		70	40-140	5	30
alpha-Chlordane	**22.5**		µg/kg wet	5.00	25.0		90	40-140	2	30
alpha-Chlordane [2C]	**20.5**		µg/kg wet	5.00	25.0		82	40-140	5	30
gamma-Chlordane	**22.5**		µg/kg wet	5.00	25.0		90	40-130	1	30
gamma-Chlordane [2C]	**21.1**		µg/kg wet	5.00	25.0		84	40-130	10	30
Alachlor	**24.1**		µg/kg wet	5.00	25.0		96	40-140	0.9	30
Alachlor [2C]	**21.4**		µg/kg wet	5.00	25.0		86	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.73*		µg/kg wet		*10.0*		*97*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*8.89*		µg/kg wet		*10.0*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*9.70*		µg/kg wet		*10.0*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*8.56*		µg/kg wet		*10.0*		*86*	*30-150*		
Batch 1121087 - SW846 3540C										
Blank (1121087-BLK1)					Prepared: 13-Oct-11 Analyzed: 14-Oct-11					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1121087 - SW846 3540C										
Blank (1121087-BLK1)					Prepared: 13-Oct-11 Analyzed: 14-Oct-11					
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.1*		µg/kg wet		*20.0*		*56*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*11.2*		µg/kg wet		*20.0*		*56*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.8*		µg/kg wet		*20.0*		*54*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*8.30*		µg/kg wet		*20.0*		*42*	*30-150*		
LCS (1121087-BS1)					Prepared: 13-Oct-11 Analyzed: 14-Oct-11					
Aroclor-1016	**278**		µg/kg wet	20.0	250		111	50-140		
Aroclor-1016 [2C]	**278**		µg/kg wet	20.0	250		111	50-140		
Aroclor-1260	**268**		µg/kg wet	20.0	250		107	50-140		
Aroclor-1260 [2C]	**213**		µg/kg wet	20.0	250		85	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.9*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.1*		µg/kg wet		*20.0*		*106*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.2*		µg/kg wet		*20.0*		*111*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
LCS Dup (1121087-BSD1)					Prepared: 13-Oct-11 Analyzed: 14-Oct-11					
Aroclor-1016	**287**		µg/kg wet	20.0	250		115	50-140	3	30
Aroclor-1016 [2C]	**281**		µg/kg wet	20.0	250		112	50-140	0.9	30
Aroclor-1260	**273**		µg/kg wet	20.0	250		109	50-140	2	30
Aroclor-1260 [2C]	**214**		µg/kg wet	20.0	250		86	50-140	0.5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.6*		µg/kg wet		*20.0*		*118*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.2*		µg/kg wet		*20.0*		*106*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.2*		µg/kg wet		*20.0*		*116*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.1*		µg/kg wet		*20.0*		*80*	*30-150*		
Duplicate (1121087-DUP1)			**Source: SB37166-42**		Prepared: 13-Oct-11 Analyzed: 14-Oct-11					
Aroclor-1016	< 25.3		µg/kg dry	25.3		BRL				40
Aroclor-1016 [2C]	< 25.3		µg/kg dry	25.3		BRL				40
Aroclor-1221	< 25.3		µg/kg dry	25.3		BRL				40
Aroclor-1221 [2C]	< 25.3		µg/kg dry	25.3		BRL				40
Aroclor-1232	< 25.3		µg/kg dry	25.3		BRL				40
Aroclor-1232 [2C]	< 25.3		µg/kg dry	25.3		BRL				40
Aroclor-1242	< 25.3		µg/kg dry	25.3		BRL				40
Aroclor-1242 [2C]	< 25.3		µg/kg dry	25.3		BRL				40
Aroclor-1248	< 25.3		µg/kg dry	25.3		BRL				40
Aroclor-1248 [2C]	< 25.3		µg/kg dry	25.3		BRL				40
Aroclor-1254	< 25.3		µg/kg dry	25.3		BRL				40
Aroclor-1254 [2C]	< 25.3		µg/kg dry	25.3		BRL				40
Aroclor-1260	**56.2**	QR6	µg/kg dry	25.3		36.9			41	40
Aroclor-1260 [2C]	**55.1**		µg/kg dry	25.3		37.7			38	40
Aroclor-1262	< 25.3		µg/kg dry	25.3		BRL				40
Aroclor-1262 [2C]	< 25.3		µg/kg dry	25.3		BRL				40
Aroclor-1268	< 25.3		µg/kg dry	25.3		BRL				40
Aroclor-1268 [2C]	< 25.3		µg/kg dry	25.3		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.6*		µg/kg dry		*25.3*		*66*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.2*		µg/kg dry		*25.3*		*64*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.1*		µg/kg dry		*25.3*		*64*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*14.0*		µg/kg dry		*25.3*		*55*	*30-150*		
Matrix Spike (1121087-MS1)			**Source: SB37166-42**		Prepared: 13-Oct-11 Analyzed: 14-Oct-11					
Aroclor-1016	**280**		µg/kg dry	24.9	312	BRL	90	40-135		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1121087 - SW846 3540C										
Matrix Spike (1121087-MS1)			**Source: SB37166-42**		Prepared: 13-Oct-11 Analyzed: 14-Oct-11					
Aroclor-1016 [2C]	**263**		µg/kg dry	24.9	312	BRL	84	40-135		
Aroclor-1260	**245**		µg/kg dry	24.9	312	36.9	67	40-135		
Aroclor-1260 [2C]	**236**		µg/kg dry	24.9	312	37.7	64	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.4*		µg/kg dry		*24.9*		*94*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.6*		µg/kg dry		*24.9*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.7*		µg/kg dry		*24.9*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.8*		µg/kg dry		*24.9*		*75*	*30-150*		
Matrix Spike Dup (1121087-MSD1)			**Source: SB37166-42**		Prepared: 13-Oct-11 Analyzed: 14-Oct-11					
Aroclor-1016	**278**		µg/kg dry	24.9	311	BRL	89	40-135	0.4	30
Aroclor-1016 [2C]	**270**		µg/kg dry	24.9	311	BRL	87	40-135	3	30
Aroclor-1260	**274**		µg/kg dry	24.9	311	36.9	76	40-135	13	30
Aroclor-1260 [2C]	**255**		µg/kg dry	24.9	311	37.7	70	40-135	9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*25.5*		µg/kg dry		*24.9*		*103*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.7*		µg/kg dry		*24.9*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.7*		µg/kg dry		*24.9*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.5*		µg/kg dry		*24.9*		*87*	*30-150*		
Batch 1121198 - SW846 3540C										
Blank (1121198-BLK1)					Prepared: 13-Oct-11 Analyzed: 15-Oct-11					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.0*		µg/kg wet		*20.0*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*10.8*		µg/kg wet		*20.0*		*54*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.4*		µg/kg wet		*20.0*		*52*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*7.70*		µg/kg wet		*20.0*		*38*	*30-150*		
LCS (1121198-BS1)					Prepared: 13-Oct-11 Analyzed: 15-Oct-11					
Aroclor-1016	**258**		µg/kg wet	20.0	250		103	50-140		
Aroclor-1016 [2C]	**261**		µg/kg wet	20.0	250		104	50-140		
Aroclor-1260	**257**		µg/kg wet	20.0	250		103	50-140		
Aroclor-1260 [2C]	**211**		µg/kg wet	20.0	250		84	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.4*		µg/kg wet		*20.0*		*107*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.4*		µg/kg wet		*20.0*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.4*		µg/kg wet		*20.0*		*112*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.3*		µg/kg wet		*20.0*		*82*	*30-150*		
LCS Dup (1121198-BSD1)					Prepared: 13-Oct-11 Analyzed: 15-Oct-11					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1121198 - SW846 3540C										
LCS Dup (1121198-BSD1)					Prepared: 13-Oct-11	Analyzed: 15-Oct-11				
Aroclor-1016	**264**		µg/kg wet	20.0	250		106	50-140	3	30
Aroclor-1016 [2C]	**272**		µg/kg wet	20.0	250		109	50-140	4	30
Aroclor-1260	**253**		µg/kg wet	20.0	250		101	50-140	1	30
Aroclor-1260 [2C]	**220**		µg/kg wet	20.0	250		88	50-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.9*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.7*		µg/kg wet		*20.0*		*104*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.4*		µg/kg wet		*20.0*		*107*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.3*		µg/kg wet		*20.0*		*86*	*30-150*		
Duplicate (1121198-DUP1)			**Source: SB37166-01**		Prepared: 13-Oct-11	Analyzed: 16-Oct-11				
Aroclor-1016	< 22.3		µg/kg dry	22.3		BRL				40
Aroclor-1016 [2C]	< 22.3		µg/kg dry	22.3		BRL				40
Aroclor-1221	< 22.3		µg/kg dry	22.3		BRL				40
Aroclor-1221 [2C]	< 22.3		µg/kg dry	22.3		BRL				40
Aroclor-1232	< 22.3		µg/kg dry	22.3		BRL				40
Aroclor-1232 [2C]	< 22.3		µg/kg dry	22.3		BRL				40
Aroclor-1242	< 22.3		µg/kg dry	22.3		BRL				40
Aroclor-1242 [2C]	< 22.3		µg/kg dry	22.3		BRL				40
Aroclor-1248	< 22.3		µg/kg dry	22.3		BRL				40
Aroclor-1248 [2C]	< 22.3		µg/kg dry	22.3		BRL				40
Aroclor-1254	< 22.3		µg/kg dry	22.3		BRL				40
Aroclor-1254 [2C]	< 22.3		µg/kg dry	22.3		BRL				40
Aroclor-1260	**14.5**	J	µg/kg dry	22.3		14.3			1	40
Aroclor-1260 [2C]	**14.5**	J	µg/kg dry	22.3		16.5			13	40
Aroclor-1262	< 22.3		µg/kg dry	22.3		BRL				40
Aroclor-1262 [2C]	< 22.3		µg/kg dry	22.3		BRL				40
Aroclor-1268	< 22.3		µg/kg dry	22.3		BRL				40
Aroclor-1268 [2C]	< 22.3		µg/kg dry	22.3		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.3*		µg/kg dry		*22.3*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*15.6*		µg/kg dry		*22.3*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.5*		µg/kg dry		*22.3*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.7*		µg/kg dry		*22.3*		*75*	*30-150*		
Matrix Spike (1121198-MS1)			**Source: SB37166-01**		Prepared: 13-Oct-11	Analyzed: 16-Oct-11				
Aroclor-1016	**1430**	QM3	µg/kg dry	22.1	276	BRL	517	40-135		
Aroclor-1016 [2C]	**2050**	QM3	µg/kg dry	22.1	276	BRL	740	40-135		
Aroclor-1260	**156**		µg/kg dry	22.1	276	14.3	51	40-135		
Aroclor-1260 [2C]	**147**		µg/kg dry	22.1	276	16.5	47	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*24.3*		µg/kg dry		*22.1*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*31.0*		µg/kg dry		*22.1*		*140*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.5*		µg/kg dry		*22.1*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*14.4*		µg/kg dry		*22.1*		*65*	*30-150*		
Matrix Spike Dup (1121198-MSD1)			**Source: SB37166-01**		Prepared: 13-Oct-11	Analyzed: 16-Oct-11				
Aroclor-1016	**2340**	QM3	µg/kg dry	21.9	274	BRL	854	40-135	49	30
Aroclor-1016 [2C]	**3240**	QM3	µg/kg dry	21.9	274	BRL	1180	40-135	46	30
Aroclor-1260	**160**		µg/kg dry	21.9	274	14.3	53	40-135	4	30
Aroclor-1260 [2C]	**149**		µg/kg dry	21.9	274	16.5	48	40-135	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*29.6*		µg/kg dry		*21.9*		*135*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*31.8*		µg/kg dry		*21.9*		*145*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.5*		µg/kg dry		*21.9*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.3*		µg/kg dry		*21.9*		*70*	*30-150*		
Batch 1121200 - SW846 3540C										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1121200 - SW846 3540C										
Blank (1121200-BLK1)					Prepared: 13-Oct-11 Analyzed: 14-Oct-11					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
LCS (1121200-BS1)					Prepared: 13-Oct-11 Analyzed: 14-Oct-11					
Aroclor-1016	**273**		µg/kg wet	20.0	250		109	50-140		
Aroclor-1016 [2C]	**291**		µg/kg wet	20.0	250		116	50-140		
Aroclor-1260	**250**		µg/kg wet	20.0	250		100	50-140		
Aroclor-1260 [2C]	**283**		µg/kg wet	20.0	250		113	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
LCS Dup (1121200-BSD1)					Prepared: 13-Oct-11 Analyzed: 14-Oct-11					
Aroclor-1016	**271**		µg/kg wet	20.0	250		108	50-140	0.7	30
Aroclor-1016 [2C]	**281**		µg/kg wet	20.0	250		112	50-140	3	30
Aroclor-1260	**252**		µg/kg wet	20.0	250		101	50-140	0.8	30
Aroclor-1260 [2C]	**279**		µg/kg wet	20.0	250		112	50-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Duplicate (1121200-DUP1)			**Source: SB37166-25**		Prepared: 13-Oct-11 Analyzed: 14-Oct-11					
Aroclor-1016	< 20.9		µg/kg dry	20.9		BRL				40
Aroclor-1016 [2C]	< 20.9		µg/kg dry	20.9		BRL				40
Aroclor-1221	< 20.9		µg/kg dry	20.9		BRL				40
Aroclor-1221 [2C]	< 20.9		µg/kg dry	20.9		BRL				40
Aroclor-1232	< 20.9		µg/kg dry	20.9		BRL				40
Aroclor-1232 [2C]	< 20.9		µg/kg dry	20.9		BRL				40
Aroclor-1242	< 20.9		µg/kg dry	20.9		BRL				40
Aroclor-1242 [2C]	< 20.9		µg/kg dry	20.9		BRL				40
Aroclor-1248	< 20.9		µg/kg dry	20.9		BRL				40

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1121200 - SW846 3540C										
Duplicate (1121200-DUP1)			**Source: SB37166-25**		Prepared: 13-Oct-11 Analyzed: 14-Oct-11					
Aroclor-1248 [2C]	< 20.9		µg/kg dry	20.9		BRL				40
Aroclor-1254	< 20.9		µg/kg dry	20.9		BRL				40
Aroclor-1254 [2C]	< 20.9		µg/kg dry	20.9		BRL				40
Aroclor-1260	< 20.9		µg/kg dry	20.9		BRL				40
Aroclor-1260 [2C]	< 20.9		µg/kg dry	20.9		BRL				40
Aroclor-1262	< 20.9		µg/kg dry	20.9		BRL				40
Aroclor-1262 [2C]	< 20.9		µg/kg dry	20.9		BRL				40
Aroclor-1268	< 20.9		µg/kg dry	20.9		BRL				40
Aroclor-1268 [2C]	< 20.9		µg/kg dry	20.9		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.9*		µg/kg dry		*20.9*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*24.0*		µg/kg dry		*20.9*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.6*		µg/kg dry		*20.9*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.9*		µg/kg dry		*20.9*		*95*	*30-150*		
Matrix Spike (1121200-MS1)			**Source: SB37166-25**		Prepared: 13-Oct-11 Analyzed: 14-Oct-11					
Aroclor-1016	**315**		µg/kg dry	21.4	267	BRL	118	40-135		
Aroclor-1016 [2C]	**312**		µg/kg dry	21.4	267	BRL	117	40-135		
Aroclor-1260	**286**		µg/kg dry	21.4	267	BRL	107	40-135		
Aroclor-1260 [2C]	**283**		µg/kg dry	21.4	267	BRL	106	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.4*		µg/kg dry		*21.4*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*23.5*		µg/kg dry		*21.4*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.0*		µg/kg dry		*21.4*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.4*		µg/kg dry		*21.4*		*105*	*30-150*		
Matrix Spike Dup (1121200-MSD1)			**Source: SB37166-25**		Prepared: 13-Oct-11 Analyzed: 14-Oct-11					
Aroclor-1016	**315**		µg/kg dry	21.4	267	BRL	118	40-135	0	30
Aroclor-1016 [2C]	**325**		µg/kg dry	21.4	267	BRL	122	40-135	4	30
Aroclor-1260	**279**		µg/kg dry	21.4	267	BRL	104	40-135	3	30
Aroclor-1260 [2C]	**302**		µg/kg dry	21.4	267	BRL	113	40-135	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.4*		µg/kg dry		*21.4*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*24.6*		µg/kg dry		*21.4*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.1*		µg/kg dry		*21.4*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.5*		µg/kg dry		*21.4*		*110*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1121023 - SW846 3550B/C										
Blank (1121023-BLK1)						Prepared: 12-Oct-11	Analyzed: 13-Oct-11			
Gasoline	< 13.3		mg/kg wet	13.3						
Fuel Oil #2	< 13.3		mg/kg wet	13.3						
Fuel Oil #4	< 13.3		mg/kg wet	13.3						
Fuel Oil #6	< 13.3		mg/kg wet	13.3						
Motor Oil	< 13.3		mg/kg wet	13.3						
Aviation Fuel	< 13.3		mg/kg wet	13.3						
Unidentified	< 13.3		mg/kg wet	13.3						
Other Oil	< 13.3		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	< 13.3		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	< 13.3		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.45*		mg/kg wet		*3.33*		*74*	*50-150*		
LCS (1121023-BS1)						Prepared: 12-Oct-11	Analyzed: 13-Oct-11			
C9-C36 Aliphatic Hydrocarbons	**60.1**		mg/kg wet	13.3	93.3		64	60-120		
Surrogate: 1-Chlorooctadecane	*2.47*		mg/kg wet		*3.33*		*74*	*50-150*		
Duplicate (1121023-DUP1)			**Source: SB37166-23**			Prepared: 12-Oct-11	Analyzed: 15-Oct-11			
Gasoline	< 35.9		mg/kg dry	35.9		BRL				50
Fuel Oil #2	< 35.9		mg/kg dry	35.9		BRL				50
Fuel Oil #4	< 35.9		mg/kg dry	35.9		BRL				50
Fuel Oil #6	< 35.9		mg/kg dry	35.9		BRL				50
Motor Oil	< 35.9		mg/kg dry	35.9		BRL				50
Aviation Fuel	< 35.9		mg/kg dry	35.9		BRL				50
Unidentified	**122**		mg/kg dry	35.9		99.7			20	50
Other Oil	**Calculated as**		mg/kg dry	35.9		Calculated as				50
Total Petroleum Hydrocarbons	**122**		mg/kg dry	35.9		99.7			20	50
C9-C36 Aliphatic Hydrocarbons	**122**		mg/kg dry	35.9		99.7			20	50
Surrogate: 1-Chlorooctadecane	*4.22*		mg/kg dry		*4.50*		*94*	*50-150*		
Matrix Spike (1121023-MS1)			**Source: SB37166-23**			Prepared: 12-Oct-11	Analyzed: 15-Oct-11			
C9-C36 Aliphatic Hydrocarbons	**176**		mg/kg dry	17.9	125	99.7	61	50-150		
Surrogate: 1-Chlorooctadecane	*4.16*		mg/kg dry		*4.48*		*93*	*50-150*		
Matrix Spike Dup (1121023-MSD1)			**Source: SB37166-23**			Prepared: 12-Oct-11	Analyzed: 15-Oct-11			
C9-C36 Aliphatic Hydrocarbons	**182**		mg/kg dry	17.9	125	99.7	65	50-150	8	30
Surrogate: 1-Chlorooctadecane	*4.79*		mg/kg dry		*4.48*		*107*	*50-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1121187 - SW846 3050B										
Blank (1121187-BLK1)						Prepared: 14-Oct-11 Analyzed: 18-Oct-11				
Mercury	< 0.0284		mg/kg wet	0.0284						
Reference (1121187-SRM1)						Prepared: 14-Oct-11 Analyzed: 18-Oct-11				
Mercury	**4.45**		mg/kg wet	0.300	3.84		116	71.7-128.3		
Batch 1121461 - SW846 3050B										
Blank (1121461-BLK1)						Prepared: 17-Oct-11 Analyzed: 23-Oct-11				
Zinc	< 1.00		mg/kg wet	1.00						
Nickel	< 1.00		mg/kg wet	1.00						
Lead	< 1.50		mg/kg wet	1.50						
Antimony	< 5.00		mg/kg wet	5.00						
Selenium	< 1.50		mg/kg wet	1.50						
Vanadium	< 1.50		mg/kg wet	1.50						
Thallium	< 3.00		mg/kg wet	3.00						
Silver	< 1.50		mg/kg wet	1.50						
Arsenic	< 1.50		mg/kg wet	1.50						
Beryllium	< 0.500		mg/kg wet	0.500						
Cadmium	< 0.500		mg/kg wet	0.500						
Chromium	< 1.00		mg/kg wet	1.00						
Copper	< 1.00		mg/kg wet	1.00						
Barium	< 1.00		mg/kg wet	1.00						
Reference (1121461-SRM2)						Prepared: 17-Oct-11 Analyzed: 22-Oct-11				
Selenium	**106**		mg/kg wet	1.50	102		104	76.7-122.8		
Thallium	**119**		mg/kg wet	3.00	116		103	75.3-124.2		
Vanadium	**47.9**		mg/kg wet	1.50	52.3		92	75.6-124		
Antimony	**42.6**		mg/kg wet	5.00	60.4		71	0-224.2		
Zinc	**151**		mg/kg wet	1.00	138		109	78.5-121.5		
Lead	**69.6**		mg/kg wet	1.50	69.0		101	77.4-122.6		
Nickel	**59.8**		mg/kg wet	1.00	60.9		98	79.6-119.8		
Copper	**44.7**		mg/kg wet	1.00	41.7		107	77.5-122		
Silver	**26.0**		mg/kg wet	1.50	26.9		97	35.5-133.8		
Arsenic	**65.8**		mg/kg wet	1.50	62.4		105	78-122		
Beryllium	**46.3**		mg/kg wet	0.500	47.8		97	80.1-120		
Cadmium	**52.1**		mg/kg wet	0.500	58.4		89	80.7-119		
Chromium	**45.9**		mg/kg wet	1.00	48.1		95	76.7-123		
Barium	**154**		mg/kg wet	1.00	159		97	79.7-120.3		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1121427 - General Preparation										
Duplicate (1121427-DUP1)			Source: SB37166-01		Prepared & Analyzed: 17-Oct-11					
% Solids	**91.6**		%			88.3			4	20
Batch 1121430 - General Preparation										
Duplicate (1121430-DUP1)			Source: SB37166-23		Prepared & Analyzed: 17-Oct-11					
% Solids	**72.3**		%			71.6			1	20
Batch 1121431 - General Preparation										
Duplicate (1121431-DUP1)			Source: SB37166-42		Prepared & Analyzed: 17-Oct-11					
% Solids	**76.0**		%			79.0			4	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S100315				
Initial Cal Check (S100315-ICV1)				
C9-C36 Aliphatic Hydrocarbons	4.208881E+08	3.685052E+08	1.0	20
n-Nonadecane	3.423746E+08	3.49758E+08	2.2	20
n-Decane	3.598347E+08	3.657451E+08	1.6	20
n-Dodecane	3.584188E+08	3.635585E+08	1.4	20
n-Tetradecane	3.553461E+08	3.603502E+08	1.4	20
n-Hexadecane	3.525493E+08	3.586099E+08	1.7	20
n-Octadecane	3.470146E+08	3.544002E+08	2.1	20
n-Eicosane	3.37764E+08	3.469143E+08	2.7	20
n-Docosane	3.315112E+08	3.43946E+08	3.8	20
n-Tetracosane	3.151283E+08	3.273383E+08	3.9	20
n-Hexacosane	3.041743E+08	3.150784E+08	3.6	20
n-Octacosane	2.87158E+08	2.994564E+08	4.3	20
n-Triacontane	2.737505E+08	2.81394E+08	2.8	20
n-Hexatriacontane	2.470244E+08	2.258378E+08	-8.6	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S109491				
Calibration Check (S109491-CCV1)				
C9-C36 Aliphatic Hydrocarbons	4.208881E+08	3.328311E+08	-9.4	20
n-Nonadecane	3.423746E+08	3.015253E+08	-11.9	20
n-Nonane	3.601489E+08	2.915325E+08	-19.1	20
n-Decane	3.598347E+08	2.907923E+08	-19.2	20
n-Dodecane	3.584188E+08	2.885472E+08	-19.5	20
n-Tetradecane	3.553461E+08	2.899389E+08	-18.4	20
n-Hexadecane	3.525493E+08	2.983774E+08	-15.4	20
n-Octadecane	3.470146E+08	3.002076E+08	-13.5	20
n-Eicosane	3.37764E+08	3.01356E+08	-10.8	20
n-Docosane	3.315112E+08	3.012246E+08	-9.1	20
n-Tetracosane	3.151283E+08	2.917662E+08	-7.4	20
n-Hexacosane	3.041743E+08	2.91204E+08	-4.3	20
n-Octacosane	2.87158E+08	2.868149E+08	-0.1	20
n-Triacontane	2.737505E+08	2.838238E+08	3.7	20
n-Hexatriacontane	2.470244E+08	2.546906E+08	3.1	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S109491				
Calibration Check (S109491-CCV2)				
C9-C36 Aliphatic Hydrocarbons	4.208881E+08	3.674679E+08	0.6	20
n-Nonadecane	3.423746E+08	3.242147E+08	-5.3	20
n-Nonane	3.601489E+08	3.09052E+08	-14.2	20
n-Decane	3.598347E+08	3.142803E+08	-12.7	20
n-Dodecane	3.584188E+08	3.108006E+08	-13.3	20
n-Tetradecane	3.553461E+08	3.129845E+08	-11.9	20
n-Hexadecane	3.525493E+08	3.199551E+08	-9.2	20
n-Octadecane	3.470146E+08	3.240216E+08	-6.6	20
n-Eicosane	3.37764E+08	3.216818E+08	-4.8	20
n-Docosane	3.315112E+08	3.217786E+08	-2.9	20
n-Tetracosane	3.151283E+08	3.145539E+08	-0.2	20
n-Hexacosane	3.041743E+08	3.116337E+08	2.5	20
n-Octacosane	2.87158E+08	3.063682E+08	6.7	20
n-Triacontane	2.737505E+08	3.055836E+08	11.6	20
n-Hexatriacontane	2.470244E+08	2.733136E+08	10.6	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S109491				
Calibration Check (S109491-CCV3)				
C9-C36 Aliphatic Hydrocarbons	4.208881E+08	4.025769E+08	10.9	20
n-Nonadecane	3.423746E+08	3.185071E+08	-7.0	20
n-Nonane	3.601489E+08	3.348029E+08	-7.0	20
n-Decane	3.598347E+08	3.415846E+08	-5.1	20
n-Dodecane	3.584188E+08	3.294096E+08	-8.1	20
n-Tetradecane	3.553461E+08	3.227946E+08	-9.2	20
n-Hexadecane	3.525493E+08	3.234174E+08	-8.3	20
n-Octadecane	3.470146E+08	3.187622E+08	-8.1	20
n-Eicosane	3.37764E+08	3.149978E+08	-6.7	20
n-Docosane	3.315112E+08	3.145169E+08	-5.1	20
n-Tetracosane	3.151283E+08	3.098279E+08	-1.7	20
n-Hexacosane	3.041743E+08	3.077527E+08	1.2	20
n-Octacosane	2.87158E+08	3.050035E+08	6.2	20
n-Triacontane	2.737505E+08	3.188651E+08	16.5	20
n-Hexatriacontane	2.470244E+08	2.950704E+08	19.4	20

Semivolatile Organic Compounds by GC - Pesticide Breakdown Report

Analyte(s)	Column	% Breakdown	Limit
Batch S109388			
Performance Mix (S109388-PEM1)			
4,4'-DDT (p,p')	1	0.1	15.0
Endrin	1	0.8	15.0
4,4'-DDT (p,p')	2	0.1	15.0
Endrin	2	1.3	15.0
Performance Mix (S109388-PEM2)			
4,4'-DDT (p,p')	1	0.3	15.0
Endrin	1	0.9	15.0
4,4'-DDT (p,p')	2	0.3	15.0
Endrin	2	1.5	15.0

Notes and Definitions

DC9	Matrix interference affected the internal standard recovery on the primary column. The results from the confirmation column were used.
QM3	Multiple analyses indicate the percent recovery exceeds the Quality Control acceptance criteria due to a matrix effect.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
R01	The Reporting Limit has been raised to account for matrix interference.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as Calculated as.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Nicole Leja
Rebecca Merz

SB 371166

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CHAIN OF CUSTODY RECORD

Page 1 of 6

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
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Report To: AECOM
500 Enterprise Blvd Ste 1A
Rocky Hill, CT 06067

Telephone #: 860 263 5800
Project Mgr. Malcolm Beeler

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 60225155
Site Name: Greenwich HS
Location: Greenwich CT State: CT
Sampler(s): J. Williams, A. Bogachi

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= _____ 11= _____

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		PCB	RCR 15 metals	PAH						
371166.01	AJ-23-SB208(0-0.5)	10/9/11	1010	G	SO		1				X								
.02	AJ-23-SB208(0.5-2)	"	1030				1												
.03	AJ-23-SB208(6-7)		1035				1												
.04	AJ-23-SB208(10.5-11)		1040				1												
.05	AJ-22-SB209(0-0.5)		1045				1												
.06	AJ-22-SB209(1-3)		1050				1												
.07	AJ-22-SB209(5-6)		1100				1												
.08	AJ-22-SB209(7-8)		1105				1												
.09	AJ-21-SB210(0-0.5)		1110				1				X								
.10	AJ-21-SB210(4.5-5.5)		1115				1				X		X						

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	10/11/11	10:00	2.0
T. Bender	[signature]	10/11/11	14:58	2.3

☒ EDD Format EQuIS
☐ E-mail to malcolm.beeler@aecom.com

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CHAIN OF CUSTODY RECORD

Page 2 of 6

Special Handling:
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Report To: AECOM
500 Enterprise Dr Ste 1A
Rocky Hill CT 06067

Telephone #: 860 263 5800
Project Mgr. Malcolm Beeler

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 60226165
Site Name: Greenwich HS
Location: Greenwich State: CT
Sampler(s): J. Williams, A. Bogacki

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= _____ 11= _____

List preservative code below:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	RSR 15 metals	PCB	PAH	ET PH
37166.11	AJ-21-SB210(0-4)	10/9/11	1120	G	SO		1			X			
.12	AJ-21-SB210(6-7)		1125				1				X	X	
.13	AJ-21-SB210(5-9)		1125				1			X			
.14	AJ-21-SB210(14-15)		1130				1				X	X	
.15	AI-21-SB211(0-0.5)		1150				1				X		
.16	AI-21-SB211(4.5-5)		1155				1				X		X
.17	AI-21-SB211(6-8)		1155				1				X		
.18	AI-21-SB211(6-8)DUP		1155				1				X		
.19	AI-21-SB211(14-15)		1200				1				X		X
.20	AH-22-SB212(0-0.5)		1215				1				X		

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	T. Bender	10/11/11	10:00	2.0
T. Bender	[signature]	10/11/11	14:55	2.3

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CHAIN OF CUSTODY RECORD

Page 3 of 6

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- ☐ Rush TAT - Date Needed: _____
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: AECOM
500 Enterprise Dr Ste 1A
Rocky Hill CT 06067

Telephone #: 860 263 5800
Project Mgr. Malcolm Beeler

Invoice To: same

P.O. No.: _____ RQN: _____

Project No.: 60225155
Site Name: Greenwich HS
Location: Greenwich State: CT
Sampler(s): J. Williams A. Bogush

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= _____ 11= _____

List preservative code below:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCB	ETPH	PAH	CT RSR metals	
37166.21	AH-22-SB212(4-5)	10/9/11	1220	G	SO		1			X				
.22	AH-22-SB212(5.5-6)		1225 MS				1			X	X			
.23	AH-22-SB212(8-10)		1240				2				X			MS/MSD
.24	AH-22-SB212(14-15)		1245				1			X				
.25	AG-22-SB213(0-0.5)		1300				1			X				
.26	AG-22-SB213(2-2.5)		1310				1			X		X		
.27	AG-22-SB213(0-4)		1315				1						X	
.28	AG-22-SB213(0-4) DUP		1315				1						X	
.29	AG-22-SB213(6-7)		1320				1			X		X		
.30	AG-22-SB213(10-15)		1325	G			1			X				

Relinquished by:	Received by:	Date:	Time:	Temp°C
A. Bogush	A. Bogush	10/11/11	10:00	2.0
T. Bender	T. Bender	10/11/11	14:58	2.3

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- Samples disposed of after 60 days unless otherwise instructed.

Report To: AECOM
500 Enterprise Dr Ste 1A
Rocky Hill CT 06067

Telephone #: 860 263 5800
Project Mgr. Malcolm Beeler

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 60225155
Site Name: Greenwich HS
Location: Greenwich State: CT
Sampler(s): J. Williams, A. Bagueli

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= _____ 11= _____

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		RSR 15 metals	PCB						
371606.31	AG-22-SB213(5-9)	10/9/11	1325	G	S		1				X							
.32	AG-21-SB214(0-0.5)		1330				1					X						
.33	AG-21-SB214(4.5-5.5)		1335				1					X						
.34	AG-21-SB214(8-8.5)		1340				1					X						
.35	AG-21-SB214(13-14)		1345				1					X						
.36	AF-22-SB215(0-0.5)		1350				1					X						
.37	AF-22-SB215(1-3)		1355				1					X						
.38	AF-22-SB215(1-3)DUP		1355				1					X						
.39	AF-22-SB215(5-6)		1355				1					X						
.40	AF-22-SB215(7-9)		1400				1					X						

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	10/11/11	10:00	2.0
T. Bender	[signature]	10/11/11	14:58	2.3

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CHAIN OF CUSTODY RECORD

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Special Handling:
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: AECOM
500 Enterprise Dr Ste 1A
Rocky Hill CT 06067

Telephone #: 860 263 5800
Project Mgr. Malcolm Beeler

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 60228155
Site Name: Greenwich HS
Location: Greenwich State: CT
Sampler(s): J. Williams A. Boguchi

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= _____ 11= _____

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCB	RSR 15 metals	Pesticides	PAH						
371646.41	AG-23-SB216(0-0.5)	10/9/11	1430	G	S		1			X									
.42	AG-23-SB216(3-4)		1435				2			X									MS/MSD
.43	AG-23-SB216(9-10)		1440				1			X									
.44	AG-23-SB216(14-15)		1440				1			X									
.45	AF-24-SB217(0-4)		1450				1				X								
.46	AF-24-SB217(0-0.5)		1450				1			X									
.47	AF-24-SB217(0-1)		1455				1					X							
.48	AF-24-SB217(4-5)		1505				1			X			X						
.49	AF-24-SB217(5-9)		1510				1				X								
.50	AF-24-SB217(5-6)		1515				1			X			X						

Relinquished by:	Received by:	Date:	Time:	Temp°C
Ann Bogucki	[signature]	10/11/11	10:00	2.0
T. Bender	[signature]	10/11/11	1458	2.3

☒ EDD Format EQuIS
☒ E-mail to Malcolm.beeler@AECOM.com

☐ Ambient ☐ Iced ☒ Refrigerated ☐ Fridge temp ____ °C ☐ Freezer temp ____ °C

J. SB 371kde M

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CHAIN OF CUSTODY RECORD

Page 6 of 6

Special Handling:
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Report To: AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT
06067
Telephone #: 860
Project Mgr. Malcolm Beeler

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 60225155
Site Name: Greenwich HS
Location: Greenwich CT State: CT
Sampler(s): J. Williams, A. Boguski

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= _____ 11= _____

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		PCB							
371kde.51	AF-24-SB217(8-9)	10/9/11	1520	G	SO		1				X							

Relinquished by:	Received by:	Date:	Time:	Temp°C
T. Bender	T. Bender	10/11/11	10:00	2.0
		10/11/11	14:58	2.3

☑ EDD Format EQUIS
☐ E-mail to Malcolm.beeler@AECOM.com

☐ Ambient ☐ Iced ☒ Refrigerated ☐ Fridge temp ____ °C ☐ Freezer temp ____ °C

SB 371166 ①

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 6

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- · All TATs subject to laboratory approval.
- · Min. 24-hour notification needed for rushes.
- · Samples disposed of after 60 days unless otherwise instructed.

Report To: AECOM
500 Enterprise Blvd Ste 1A
Rocky Hill, CT 06067

Telephone #: 860 263 5800
Project Mgr. Malcolm Beeler

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 60225155
Site Name: Greenwich HS
Location: Greenwich CT State: CT
Sampler(s): J. Williams, A. Bogachi

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= _____ 11= _____

List preservative code below:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		PCB 3540	RSR 15 metals	PAH						State-specific reporting standards:
371166.01	AI-23-SB208(0-0.5)	10/9/11	1010	G	SO		1				X								Soxhlet extraction
.02	AI-23-SB208(0.5-2)	"	1030	↓	↓		1				↓								for All PCBs per
.03	AI-23-SB208(6-7)	↓	1035	↓	↓		1				↓								client request
.04	AI-23-SB208(10.5-11)	↓	1040	↓	↓		1				↓								
.05	AJ-22-SB209(0-0.5)	↓	1045	↓	↓		1				↓								
.06	AJ-22-SB209(1-3)	↓	1050	↓	↓		1				↓								
.07	AJ-22-SB209(5-6)	↓	1100	↓	↓		1				↓								
.08	AJ-22-SB209(7-8)	↓	1105	↓	↓		1				↓								
.09	AJ-21-SB210(0-0.5)	↓	1110	↓	↓		1				X								
.10	AI-21-SB210(4.5-5.5)	↓	1115	↓	↓		1				X		X						

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	10/11/11	10:00	2.0
T. Bender	[signature]	10/11/11	14:58	2.3

☒ EDD Format EQuIS
☐ E-mail to malcolm.beeler@aecom.com

☐ Ambient ☐ Iced ☒ Refrigerated ☐ Fridge temp ___°C ☐ Freezer temp ___°C

Report Date:
22-Nov-11 15:43

☐ Final Report
☐ Re-Issued Report
☑ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

AECOM Environment
500 Enterprise Drive, Suite 1A
Rocky Hill, CT 06067
Attn: Malcolm Beeler

Project: Greenwich HS - Greenwich, CT
Project #: 60225155

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB39231-01	AH21A-SB218(1-2)-1	Soil	13-Nov-11 10:20	14-Nov-11 17:03
SB39231-02	AH21A-SB218(4-5)-1	Soil	13-Nov-11 10:20	14-Nov-11 17:03
SB39231-03	AH21A-SB218(5.5-6.5)-1	Soil	13-Nov-11 10:25	14-Nov-11 17:03
SB39231-04	AH21B-SB219(2-3)-1	Soil	13-Nov-11 11:20	14-Nov-11 17:03
SB39231-05	AH21B-SB219(4-5)-1	Soil	13-Nov-11 11:25	14-Nov-11 17:03
SB39231-06	AH21B-SB219(6-7)-1	Soil	13-Nov-11 11:35	14-Nov-11 17:03
SB39231-07	AH21C-SB220(2-3)-1	Soil	13-Nov-11 11:45	14-Nov-11 17:03
SB39231-08	AH21C-SB220(4-5)-1	Soil	13-Nov-11 11:50	14-Nov-11 17:03
SB39231-09	AH21C-SB220(5-6)-1	Soil	13-Nov-11 11:55	14-Nov-11 17:03
SB39231-10	AH21D-SB221(2-3)-1	Soil	13-Nov-11 12:25	14-Nov-11 17:03
SB39231-11	AH21D-SB221(4-5)-1	Soil	13-Nov-11 12:25	14-Nov-11 17:03
SB39231-12	AH21D-SB221(5-6)-1	Soil	13-Nov-11 12:30	14-Nov-11 17:03
SB39231-13	AH21B-SB219(6-7)-2	Soil	13-Nov-11 11:35	14-Nov-11 17:03
SB39231-14	AH21E-SB222(2-3)-1	Soil	13-Nov-11 13:05	14-Nov-11 17:03
SB39231-15	AH21E-SB222(4-5)-1	Soil	13-Nov-11 13:00	14-Nov-11 17:03
SB39231-16	AH21E-SB222(5-6)-1	Soil	13-Nov-11 13:05	14-Nov-11 17:03
SB39231-17	AH21F-SB223(3-4)-1	Soil	13-Nov-11 13:25	14-Nov-11 17:03
SB39231-18	AH21F-SB223(4-5)-1	Soil	13-Nov-11 13:25	14-Nov-11 17:03
SB39231-19	AH21F-SB223(5-6)-1	Soil	13-Nov-11 13:30	14-Nov-11 17:03
SB39231-20	AH21G-SB224(2-3)-1	Soil	13-Nov-11 14:00	14-Nov-11 17:03
SB39231-21	AH21G-SB224(4-5)-1	Soil	13-Nov-11 13:55	14-Nov-11 17:03
SB39231-22	AH21G-SB224(6-7)-1	Soil	13-Nov-11 14:00	14-Nov-11 17:03
SB39231-23	AH21H-SB225(3-4)-1	Soil	13-Nov-11 14:20	14-Nov-11 17:03
SB39231-24	AH21H-SB225(4-5)-1	Soil	13-Nov-11 14:25	14-Nov-11 17:03
SB39231-25	AH21H-SB225(5-6)-1	Soil	13-Nov-11 14:25	14-Nov-11 17:03
SB39231-26	AH21H-SB225(5-6)-2	Soil	13-Nov-11 14:25	14-Nov-11 17:03
SB39231-27	MW-West	Ground Water	13-Nov-11 15:00	14-Nov-11 17:03

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 48 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: AECOM Environment - Rocky Hill, CT

Project Location: Greenwich HS - Greenwich, CT

Project Number: 60225155

Sampling Date(s):
11/13/2011

Laboratory Sample ID(s):
SB39231-01 through SB39231-27

RCP Methods Used:

EPA 245.1/7470A
SW846 6010C
SW846 8082A
SW846 8270D SIM

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? * b) Were these reporting limits met? ** Exceptions are defined by qualifiers*	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja
Laboratory Director
Date: 11/22/2011

CASE NARRATIVE:

The samples were received 0.5 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Spikes:

1123650-MS1 *Source: SB39231-01*

The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

Aroclor-1016
Aroclor-1016 [2C]

1123650-MSD1 *Source: SB39231-01*

The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

Aroclor-1016 [2C]

1124029-MS1 *Source: SB39231-14*

The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

Aroclor-1016
Aroclor-1016 [2C]

1124029-MSD1 *Source: SB39231-14*

The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

Aroclor-1016
Aroclor-1016 [2C]

Duplicates:

1123650-DUP1 *Source: SB39231-01*

SW846 8082A

Duplicates:

1123650-DUP1 *Source: SB39231-01*

Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.

Aroclor-1260
Aroclor-1260 [2C]

Samples:

SB39231-03 *AH21A-SB218(5.5-6.5)-1*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248

SB39231-03RE1 *AH21A-SB218(5.5-6.5)-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB39231-04 *AH21B-SB219(2-3)-1*

The Reporting Limit has been raised to account for matrix interference.

SB39231-05 *AH21B-SB219(4-5)-1*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)

SB39231-06 *AH21B-SB219(6-7)-1*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248

SB39231-06RE1 *AH21B-SB219(6-7)-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB39231-09 *AH21C-SB220(5-6)-1*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB39231-10 *AH21D-SB221(2-3)-1*

The Reporting Limit has been raised to account for matrix interference.

SB39231-11 *AH21D-SB221(4-5)-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SW846 8082A

Samples:

SB39231-11 *AH21D-SB221(4-5)-1*

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB39231-13 *AH21B-SB219(6-7)-2*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB39231-17 *AH21F-SB223(3-4)-1*

The Reporting Limit has been raised to account for matrix interference.

SB39231-21 *AH21G-SB224(4-5)-1*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248 [2C]

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB39231-21RE1 *AH21G-SB224(4-5)-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB39231-21RE2 *AH21G-SB224(4-5)-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB39231-25 *AH21H-SB225(5-6)-1*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248 [2C]

SW846 8082A

Samples:

SB39231-25 *AH21H-SB225(5-6)-1*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB39231-25RE1 *AH21H-SB225(5-6)-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB39231-26 *AH21H-SB225(5-6)-2*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248 [2C]

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB39231-26RE1 *AH21H-SB225(5-6)-2*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21A-SB218(1-2)-1 SB39231-01	60225155	Soil	13-Nov-11 10:20	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 14.7		µg/kg dry	14.7	7.36	1	SW846 8082A	14-Nov-11	15-Nov-11	IMR	1123650	X
11104-28-2	Aroclor-1221	< 14.7		µg/kg dry	14.7	13.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 14.7		µg/kg dry	14.7	9.45	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 14.7		µg/kg dry	14.7	8.67	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.7		µg/kg dry	14.7	7.23	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 14.7		µg/kg dry	14.7	10.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**15.5**		µg/kg dry	14.7	5.65	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.7		µg/kg dry	14.7	13.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 14.7		µg/kg dry	14.7	4.62	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**89.9**		%			1	SM2540 G Mod.	15-Nov-11	15-Nov-11	DT	1123719	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21A-SB218(4-5)-1 SB39231-02	60225155	Soil	13-Nov-11 10:20	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 14.1		µg/kg dry	14.1	7.04	1	SW846 8082A	14-Nov-11	15-Nov-11	IMR	1123650	X
11104-28-2	Aroclor-1221	< 14.1		µg/kg dry	14.1	12.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 14.1		µg/kg dry	14.1	9.04	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 14.1		µg/kg dry	14.1	8.30	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**389**		µg/kg dry	14.1	6.91	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 14.1		µg/kg dry	14.1	10.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**21.1**		µg/kg dry	14.1	5.40	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.1		µg/kg dry	14.1	13.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 14.1		µg/kg dry	14.1	4.42	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.5**		%			1	SM2540 G Mod.	15-Nov-11	15-Nov-11	DT	1123719	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21A-SB218(5.5-6.5)-1	60225155	Soil	13-Nov-11 10:25	14-Nov-11
SB39231-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 15.3		µg/kg dry	15.3	7.64	1	SW846 8082A	14-Nov-11	16-Nov-11	IMR	1123650	X
11104-28-2	Aroclor-1221	< 15.3		µg/kg dry	15.3	13.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 15.3		µg/kg dry	15.3	9.81	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15.3		µg/kg dry	15.3	9.00	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**3,190**	E	µg/kg dry	15.3	7.50	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 15.3		µg/kg dry	15.3	11.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**49.7**		µg/kg dry	15.3	6.82	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 15.3		µg/kg dry	15.3	14.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 15.3		µg/kg dry	15.3	4.80	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*35*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*35*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1										
12674-11-2	Aroclor-1016	< 153		µg/kg dry	153	76.4	10	SW846 8082A	14-Nov-11	16-Nov-11	IMR	1123650	X
11104-28-2	Aroclor-1221	< 153		µg/kg dry	153	138	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 153		µg/kg dry	153	98.1	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 153		µg/kg dry	153	90.0	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**4,030**		µg/kg dry	153	75.0	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 153		µg/kg dry	153	112	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 153		µg/kg dry	153	58.6	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 153		µg/kg dry	153	142	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 153		µg/kg dry	153	48.0	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**86.9**		%			1	SM2540 G Mod.	15-Nov-11	15-Nov-11	DT	1123719	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21B-SB219(2-3)-1 SB39231-04	60225155	Soil	13-Nov-11 11:20	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			R01										
12674-11-2	Aroclor-1016	< 29.4		µg/kg dry	29.4	14.7	1	SW846 8082A	14-Nov-11	15-Nov-11	IMR	1123650	X
11104-28-2	Aroclor-1221	< 29.4		µg/kg dry	29.4	26.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 29.4		µg/kg dry	29.4	18.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 29.4		µg/kg dry	29.4	17.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 29.4		µg/kg dry	29.4	14.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 29.4		µg/kg dry	29.4	21.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 29.4		µg/kg dry	29.4	11.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 29.4		µg/kg dry	29.4	27.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 29.4		µg/kg dry	29.4	9.23	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*40*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**90.3**		%			1	SM2540 G Mod.	15-Nov-11	15-Nov-11	DT	1123719	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21B-SB219(4-5)-1 SB39231-05	60225155	Soil	13-Nov-11 11:25	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 14.8		µg/kg dry	14.8	7.38	1	SW846 8082A	14-Nov-11	15-Nov-11	IMR	1123650	X
11104-28-2	Aroclor-1221	< 14.8		µg/kg dry	14.8	13.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 14.8		µg/kg dry	14.8	9.49	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 14.8		µg/kg dry	14.8	8.70	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**231**		µg/kg dry	14.8	5.99	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 14.8		µg/kg dry	14.8	10.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**48.0**		µg/kg dry	14.8	5.66	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.8		µg/kg dry	14.8	13.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 14.8		µg/kg dry	14.8	4.64	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*30*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*925*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**89.8**		%			1	SM2540 G Mod.	15-Nov-11	15-Nov-11	DT	1123719	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21B-SB219(6-7)-1	60225155	Soil	13-Nov-11 11:35	14-Nov-11
SB39231-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 175		µg/kg dry	175	87.5	10	SW846 8082A	14-Nov-11	16-Nov-11	IMR	1123650	X
11104-28-2	Aroclor-1221	< 175		µg/kg dry	175	158	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 175		µg/kg dry	175	112	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 175		µg/kg dry	175	103	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**86,900**	E	µg/kg dry	175	86.0	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 175		µg/kg dry	175	128	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**1,360**		µg/kg dry	175	67.2	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 175		µg/kg dry	175	163	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 175		µg/kg dry	175	55.0	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1										
12674-11-2	Aroclor-1016	< 1750		µg/kg dry	1750	875	100	SW846 8082A	14-Nov-11	16-Nov-11	IMR	1123650	X
11104-28-2	Aroclor-1221	< 1750		µg/kg dry	1750	1580	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1750		µg/kg dry	1750	1120	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1750		µg/kg dry	1750	1030	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**85,800**		µg/kg dry	1750	860	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 1750		µg/kg dry	1750	1280	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1750		µg/kg dry	1750	782	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1750		µg/kg dry	1750	1630	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1750		µg/kg dry	1750	550	100	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**75.7**		%			1	SM2540 G Mod.	15-Nov-11	15-Nov-11	DT	1123719	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21C-SB220(2-3)-1 SB39231-07	60225155	Soil	13-Nov-11 11:45	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 14.5		µg/kg dry	14.5	7.25	1	SW846 8082A	14-Nov-11	16-Nov-11	IMR	1123650	X
11104-28-2	Aroclor-1221	< 14.5		µg/kg dry	14.5	13.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 14.5		µg/kg dry	14.5	9.32	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 14.5		µg/kg dry	14.5	8.55	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**227**		µg/kg dry	14.5	5.88	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 14.5		µg/kg dry	14.5	10.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 14.5		µg/kg dry	14.5	5.56	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.5		µg/kg dry	14.5	13.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 14.5		µg/kg dry	14.5	4.56	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**90.4**		%			1	SM2540 G Mod.	15-Nov-11	15-Nov-11	DT	1123719	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21C-SB220(4-5)-1 SB39231-08	60225155	Soil	13-Nov-11 11:50	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 14.8		µg/kg dry	14.8	7.41	1	SW846 8082A	14-Nov-11	15-Nov-11	IMR	1123650	X
11104-28-2	Aroclor-1221	< 14.8		µg/kg dry	14.8	13.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 14.8		µg/kg dry	14.8	9.52	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 14.8		µg/kg dry	14.8	8.73	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**1,310**		µg/kg dry	14.8	7.27	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 14.8		µg/kg dry	14.8	10.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**505**		µg/kg dry	14.8	5.68	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.8		µg/kg dry	14.8	13.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 14.8		µg/kg dry	14.8	4.66	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**89.8**		%			1	SM2540 G Mod.	15-Nov-11	15-Nov-11	DT	1123719	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21C-SB220(5-6)-1 SB39231-09	60225155	Soil	13-Nov-11 11:55	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 15.4		µg/kg dry	15.4	7.70	1	SW846 8082A	14-Nov-11	16-Nov-11	IMR	1123650	X
11104-28-2	Aroclor-1221	< 15.4		µg/kg dry	15.4	13.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 15.4		µg/kg dry	15.4	9.89	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15.4		µg/kg dry	15.4	9.07	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**2,240**		µg/kg dry	15.4	6.25	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 15.4		µg/kg dry	15.4	11.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**97.1**		µg/kg dry	15.4	6.88	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 15.4		µg/kg dry	15.4	14.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 15.4		µg/kg dry	15.4	4.84	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*22500*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**85.4**		%			1	SM2540 G Mod.	15-Nov-11	15-Nov-11	DT	1123719	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21D-SB221(2-3)-1 SB39231-10	60225155	Soil	13-Nov-11 12:25	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			R01										
12674-11-2	Aroclor-1016	< 29.7		µg/kg dry	29.7	14.8	1	SW846 8082A	14-Nov-11	15-Nov-11	IMR	1123650	X
11104-28-2	Aroclor-1221	< 29.7		µg/kg dry	29.7	26.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 29.7		µg/kg dry	29.7	19.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 29.7		µg/kg dry	29.7	17.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 29.7		µg/kg dry	29.7	14.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 29.7		µg/kg dry	29.7	21.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 29.7		µg/kg dry	29.7	11.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 29.7		µg/kg dry	29.7	27.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 29.7		µg/kg dry	29.7	9.32	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**89.3**		%			1	SM2540 G Mod.	15-Nov-11	15-Nov-11	DT	1123719	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21D-SB221(4-5)-1 SB39231-11	60225155	Soil	13-Nov-11 12:25	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1										
12674-11-2	Aroclor-1016	< 2260		µg/kg dry	2260	1130	100	SW846 8082A	14-Nov-11	16-Nov-11	IMR	1123650	X
11104-28-2	Aroclor-1221	< 2260		µg/kg dry	2260	2030	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 2260		µg/kg dry	2260	1450	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 2260		µg/kg dry	2260	1330	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**72,700**		µg/kg dry	2260	1110	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 2260		µg/kg dry	2260	1660	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 2260		µg/kg dry	2260	866	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 2260		µg/kg dry	2260	2100	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 2260		µg/kg dry	2260	709	100	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**58.8**		%			1	SM2540 G Mod.	15-Nov-11	15-Nov-11	DT	1123719	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21D-SB221(5-6)-1 SB39231-12	60225155	Soil	13-Nov-11 12:30	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 14.2		µg/kg dry	14.2	7.08	1	SW846 8082A	14-Nov-11	15-Nov-11	IMR	1123650	X
11104-28-2	Aroclor-1221	< 14.2		µg/kg dry	14.2	12.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 14.2		µg/kg dry	14.2	9.09	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 14.2		µg/kg dry	14.2	8.34	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**166**		µg/kg dry	14.2	5.74	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 14.2		µg/kg dry	14.2	10.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 14.2		µg/kg dry	14.2	6.32	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.2		µg/kg dry	14.2	13.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 14.2		µg/kg dry	14.2	4.45	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*35*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.7**		%			1	SM2540 G Mod.	15-Nov-11	15-Nov-11	DT	1123719	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21B-SB219(6-7)-2 SB39231-13	60225155	Soil	13-Nov-11 11:35	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1										
12674-11-2	Aroclor-1016	< 846		µg/kg dry	846	423	50	SW846 8082A	14-Nov-11	16-Nov-11	IMR	1123650	X
11104-28-2	Aroclor-1221	< 846		µg/kg dry	846	762	50	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 846		µg/kg dry	846	543	50	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 846		µg/kg dry	846	498	50	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**77,600**		µg/kg dry	846	415	50	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 846		µg/kg dry	846	621	50	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**846**		µg/kg dry	846	378	50	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 846		µg/kg dry	846	788	50	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 846		µg/kg dry	846	266	50	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**78.1**		%			1	SM2540 G Mod.	15-Nov-11	15-Nov-11	DT	1123719	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21E-SB222(2-3)-1 SB39231-14	60225155	Soil	13-Nov-11 13:05	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.8		µg/kg dry	21.8	10.9	1	SW846 8082A	18-Nov-11	21-Nov-11	IMR	1124029	X
11104-28-2	Aroclor-1221	< 21.8		µg/kg dry	21.8	19.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.8		µg/kg dry	21.8	14.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.8		µg/kg dry	21.8	12.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**779**		µg/kg dry	21.8	10.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.8		µg/kg dry	21.8	16.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**70.8**		µg/kg dry	21.8	8.36	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.8		µg/kg dry	21.8	20.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.8		µg/kg dry	21.8	6.84	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**90.7**		%			1	SM2540 G Mod.	18-Nov-11	18-Nov-11	DT	1124097	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21E-SB222(4-5)-1 SB39231-15	60225155	Soil	13-Nov-11 13:00	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.9		µg/kg dry	20.9	10.4	1	SW846 8082A	18-Nov-11	21-Nov-11	IMR	1124029	X
11104-28-2	Aroclor-1221	< 20.9		µg/kg dry	20.9	18.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.9		µg/kg dry	20.9	13.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.9		µg/kg dry	20.9	12.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**1,900**		µg/kg dry	20.9	10.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.9		µg/kg dry	20.9	15.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**52.2**		µg/kg dry	20.9	9.33	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.9		µg/kg dry	20.9	19.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.9		µg/kg dry	20.9	6.56	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.3**		%			1	SM2540 G Mod.	18-Nov-11	18-Nov-11	DT	1124097	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21E-SB222(5-6)-1 SB39231-16	60225155	Soil	13-Nov-11 13:05	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 22.3		µg/kg dry	22.3	11.1	1	SW846 8082A	18-Nov-11	19-Nov-11	IMR	1124029	X
11104-28-2	Aroclor-1221	< 22.3		µg/kg dry	22.3	20.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.3		µg/kg dry	22.3	14.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.3		µg/kg dry	22.3	13.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.3		µg/kg dry	22.3	10.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.3		µg/kg dry	22.3	16.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.3		µg/kg dry	22.3	8.53	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.3		µg/kg dry	22.3	20.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.3		µg/kg dry	22.3	6.99	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**88.6**		%			1	SM2540 G Mod.	18-Nov-11	18-Nov-11	DT	1124097	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21F-SB223(3-4)-1 SB39231-17	60225155	Soil	13-Nov-11 13:25	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			R01										
12674-11-2	Aroclor-1016	< 44.1		µg/kg dry	44.1	22.0	1	SW846 8082A	18-Nov-11	19-Nov-11	IMR	1124029	X
11104-28-2	Aroclor-1221	< 44.1		µg/kg dry	44.1	39.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 44.1		µg/kg dry	44.1	28.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 44.1		µg/kg dry	44.1	26.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 44.1		µg/kg dry	44.1	21.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 44.1		µg/kg dry	44.1	32.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 44.1		µg/kg dry	44.1	16.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 44.1		µg/kg dry	44.1	41.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 44.1		µg/kg dry	44.1	13.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**89.0**		%			1	SM2540 G Mod.	18-Nov-11	18-Nov-11	DT	1124097	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21F-SB223(4-5)-1 SB39231-18	60225155	Soil	13-Nov-11 13:25	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.1		µg/kg dry	20.1	10.0	1	SW846 8082A	18-Nov-11	19-Nov-11	IMR	1124029	X
11104-28-2	Aroclor-1221	< 20.1		µg/kg dry	20.1	18.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.1		µg/kg dry	20.1	12.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.1		µg/kg dry	20.1	11.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.1		µg/kg dry	20.1	9.86	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.1		µg/kg dry	20.1	14.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.1		µg/kg dry	20.1	7.70	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.1		µg/kg dry	20.1	18.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.1		µg/kg dry	20.1	6.31	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.5**		%			1	SM2540 G Mod.	18-Nov-11	18-Nov-11	DT	1124103	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21F-SB223(5-6)-1 SB39231-19	60225155	Soil	13-Nov-11 13:30	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.6		µg/kg dry	21.6	10.8	1	SW846 8082A	18-Nov-11	19-Nov-11	IMR	1124029	X
11104-28-2	Aroclor-1221	< 21.6		µg/kg dry	21.6	19.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.6		µg/kg dry	21.6	13.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.6		µg/kg dry	21.6	12.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.6		µg/kg dry	21.6	10.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.6		µg/kg dry	21.6	15.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.6		µg/kg dry	21.6	8.26	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.6		µg/kg dry	21.6	20.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.6		µg/kg dry	21.6	6.77	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.0**		%			1	SM2540 G Mod.	18-Nov-11	18-Nov-11	DT	1124103	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21G-SB224(2-3)-1 SB39231-20	60225155	Soil	13-Nov-11 14:00	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 22.5		µg/kg dry	22.5	11.2	1	SW846 8082A	18-Nov-11	21-Nov-11	IMR	1124029	X
11104-28-2	Aroclor-1221	< 22.5		µg/kg dry	22.5	20.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.5		µg/kg dry	22.5	14.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.5		µg/kg dry	22.5	13.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**722**		µg/kg dry	22.5	11.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.5		µg/kg dry	22.5	16.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**29.2**		µg/kg dry	22.5	10.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.5		µg/kg dry	22.5	21.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.5		µg/kg dry	22.5	7.06	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**88.8**		%			1	SM2540 G Mod.	18-Nov-11	18-Nov-11	DT	1124103	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21G-SB224(4-5)-1	60225155	Soil	13-Nov-11 13:55	14-Nov-11
SB39231-21				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.5		µg/kg dry	21.5	10.8	1	SW846 8082A	18-Nov-11	21-Nov-11	IMR	1124029	X
11104-28-2	Aroclor-1221	< 21.5		µg/kg dry	21.5	19.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.5		µg/kg dry	21.5	13.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.5		µg/kg dry	21.5	12.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**9,370**	E	µg/kg dry	21.5	8.74	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.5		µg/kg dry	21.5	15.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**273**		µg/kg dry	21.5	8.26	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.5		µg/kg dry	21.5	20.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.5		µg/kg dry	21.5	6.77	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*220*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*180*	S02		*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1										
12674-11-2	Aroclor-1016	< 215		µg/kg dry	215	108	10	SW846 8082A	18-Nov-11	21-Nov-11	IMR	1124029	X
11104-28-2	Aroclor-1221	< 215		µg/kg dry	215	194	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 215		µg/kg dry	215	138	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 215		µg/kg dry	215	127	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**9,890**		µg/kg dry	215	106	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 215		µg/kg dry	215	158	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**302**		µg/kg dry	215	82.6	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 215		µg/kg dry	215	201	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 215		µg/kg dry	215	67.7	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*250*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*200*	S02		*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1										
12674-11-2	Aroclor-1016	< 217		µg/kg dry	217	108	10	SW846 8082A	18-Nov-11	22-Nov-11	IMR	1124218	X
11104-28-2	Aroclor-1221	< 217		µg/kg dry	217	195	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 217		µg/kg dry	217	139	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 217		µg/kg dry	217	128	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**11,200**		µg/kg dry	217	106	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 217		µg/kg dry	217	159	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**531**		µg/kg dry	217	96.8	10	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21G-SB224(4-5)-1 SB39231-21	60225155	Soil	13-Nov-11 13:55	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1										
37324-23-5	Aroclor-1262	< 217		µg/kg dry	217	202	10	SW846 8082A	18-Nov-11	22-Nov-11	IMR	1124218	X
11100-14-4	Aroclor-1268	< 217		µg/kg dry	217	68.1	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*300*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*350*	S02		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**87.0**		%			1	SM2540 G Mod.	18-Nov-11	18-Nov-11	DT	1124103	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21G-SB224(6-7)-1 SB39231-22	60225155	Soil	13-Nov-11 14:00	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.2		µg/kg dry	21.2	10.6	1	SW846 8082A	18-Nov-11	19-Nov-11	IMR	1124029	X
11104-28-2	Aroclor-1221	< 21.2		µg/kg dry	21.2	19.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.2		µg/kg dry	21.2	13.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.2		µg/kg dry	21.2	12.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.2		µg/kg dry	21.2	10.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.2		µg/kg dry	21.2	15.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.2		µg/kg dry	21.2	8.12	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.2		µg/kg dry	21.2	19.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.2		µg/kg dry	21.2	6.65	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.2**		%			1	SM2540 G Mod.	18-Nov-11	18-Nov-11	DT	1124103	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21H-SB225(3-4)-1 SB39231-23	60225155	Soil	13-Nov-11 14:20	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.8		µg/kg dry	20.8	10.4	1	SW846 8082A	18-Nov-11	19-Nov-11	IMR	1124029	X
11104-28-2	Aroclor-1221	< 20.8		µg/kg dry	20.8	18.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.8		µg/kg dry	20.8	13.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.8		µg/kg dry	20.8	12.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.8		µg/kg dry	20.8	10.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.8		µg/kg dry	20.8	15.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.8		µg/kg dry	20.8	9.30	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.8		µg/kg dry	20.8	19.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.8		µg/kg dry	20.8	6.54	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**94.1**		%			1	SM2540 G Mod.	18-Nov-11	18-Nov-11	DT	1124103	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21H-SB225(4-5)-1 SB39231-24	60225155	Soil	13-Nov-11 14:25	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.0		µg/kg dry	21.0	10.5	1	SW846 8082A	18-Nov-11	19-Nov-11	IMR	1124029	X
11104-28-2	Aroclor-1221	< 21.0		µg/kg dry	21.0	18.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.0		µg/kg dry	21.0	13.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.0		µg/kg dry	21.0	12.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**333**		µg/kg dry	21.0	10.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.0		µg/kg dry	21.0	15.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.0		µg/kg dry	21.0	9.35	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.0		µg/kg dry	21.0	19.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.0		µg/kg dry	21.0	6.58	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**91.7**		%			1	SM2540 G Mod.	18-Nov-11	18-Nov-11	DT	1124103	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21H-SB225(5-6)-1	60225155	Soil	13-Nov-11 14:25	14-Nov-11
SB39231-25				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 24.0		µg/kg dry	24.0	12.0	1	SW846 8082A	18-Nov-11	21-Nov-11	IMR	1124029	X
11104-28-2	Aroclor-1221	< 24.0		µg/kg dry	24.0	21.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.0		µg/kg dry	24.0	15.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 24.0		µg/kg dry	24.0	14.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**6,860**	E	µg/kg dry	24.0	9.73	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 24.0		µg/kg dry	24.0	17.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**149**		µg/kg dry	24.0	10.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.0		µg/kg dry	24.0	22.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.0		µg/kg dry	24.0	7.53	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*25900*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1										
12674-11-2	Aroclor-1016	< 240		µg/kg dry	240	120	10	SW846 8082A	18-Nov-11	21-Nov-11	IMR	1124029	X
11104-28-2	Aroclor-1221	< 240		µg/kg dry	240	216	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 240		µg/kg dry	240	154	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 240		µg/kg dry	240	141	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**7,500**		µg/kg dry	240	97.3	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 240		µg/kg dry	240	176	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 240		µg/kg dry	240	92.0	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 240		µg/kg dry	240	224	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 240		µg/kg dry	240	75.3	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*3700*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**81.1**		%			1	SM2540 G Mod.	18-Nov-11	18-Nov-11	DT	1124103	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AH21H-SB225(5-6)-2	60225155	Soil	13-Nov-11 14:25	14-Nov-11
SB39231-26				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 25.3		µg/kg dry	25.3	12.7	1	SW846 8082A	18-Nov-11	21-Nov-11	IMR	1124029	X
11104-28-2	Aroclor-1221	< 25.3		µg/kg dry	25.3	22.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.3		µg/kg dry	25.3	16.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 25.3		µg/kg dry	25.3	14.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**13,800**	E	µg/kg dry	25.3	10.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 25.3		µg/kg dry	25.3	18.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**291**		µg/kg dry	25.3	11.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.3		µg/kg dry	25.3	23.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.3		µg/kg dry	25.3	7.95	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*19100*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1										
12674-11-2	Aroclor-1016	< 253		µg/kg dry	253	127	10	SW846 8082A	18-Nov-11	21-Nov-11	IMR	1124029	X
11104-28-2	Aroclor-1221	< 253		µg/kg dry	253	228	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 253		µg/kg dry	253	163	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 253		µg/kg dry	253	149	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**20,300**		µg/kg dry	253	124	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 253		µg/kg dry	253	186	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**430**		µg/kg dry	253	113	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 253		µg/kg dry	253	236	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 253		µg/kg dry	253	79.5	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*2600*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**76.2**		%			1	SM2540 G Mod.	18-Nov-11	18-Nov-11	DT	1124103	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-West	60225155	Ground Water	13-Nov-11 15:00	14-Nov-11
SB39231-27				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SW846 8270C SIM Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	14-Nov-11	15-Nov-11	ML	1123601	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*54*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*59*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3510C													
12674-11-2	Aroclor-1016	< 0.208		µg/l	0.208	0.00896	1	SW846 8082A	15-Nov-11	16-Nov-11	IMR	1123688	X
11104-28-2	Aroclor-1221	< 0.208		µg/l	0.208	0.0149	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 0.208		µg/l	0.208	0.0140	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 0.208		µg/l	0.208	0.00760	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 0.208		µg/l	0.208	0.0118	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 0.208		µg/l	0.208	0.0103	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 0.208		µg/l	0.208	0.00604	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 0.208		µg/l	0.208	0.00906	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 0.208		µg/l	0.208	0.00990	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*40*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Lab Preserved**		N/A			1	EPA 200/6000 methods	14-Nov-11	14-Nov-11	JLH	1123611	
Total Metals by EPA 6000/7000 Series Methods													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-West SB39231-27	60225155	Ground Water	13-Nov-11 15:00	14-Nov-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0020	1	SW846 6010C	14-Nov-11	15-Nov-11	LR	1123657	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0032	1	"	"	"	"	"	X
7440-39-3	Barium	**2.20**		mg/l	0.0050	0.0034	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0007	1	"	"	"	"	"	X
7440-43-9	Cadmium	**0.0029**		mg/l	0.0025	0.0001	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0034	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0020	1	"	"	"	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0008	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0045	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0035	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0024	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0025	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.114**		mg/l	0.0050	0.0025	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00007	1	EPA 245.1/7470A	14-Nov-11	15-Nov-11	EDT	1123658	X

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1123601 - SW846 3510C										
Blank (1123601-BLK2)					Prepared: 14-Nov-11 Analyzed: 15-Nov-11					
Acenaphthene	< 0.050		µg/l	0.050						
Acenaphthylene	< 0.050		µg/l	0.050						
1-Methylnaphthalene	< 0.050		µg/l	0.050						
Anthracene	< 0.050		µg/l	0.050						
Benzo (a) anthracene	< 0.050		µg/l	0.050						
Benzo (a) pyrene	< 0.050		µg/l	0.050						
Benzo (b) fluoranthene	< 0.050		µg/l	0.050						
Benzo (g,h,i) perylene	< 0.050		µg/l	0.050						
Benzo (k) fluoranthene	< 0.050		µg/l	0.050						
Chrysene	< 0.050		µg/l	0.050						
Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050						
Fluoranthene	< 0.050		µg/l	0.050						
Fluorene	< 0.050		µg/l	0.050						
Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050						
2-Methylnaphthalene	< 0.050		µg/l	0.050						
Naphthalene	< 0.050		µg/l	0.050						
Phenanthrene	< 0.050		µg/l	0.050						
Pyrene	< 0.050		µg/l	0.050						
Surrogate: 2-Fluorobiphenyl	*21.2*		µg/l		*50.0*		*42*	*30-130*		
Surrogate: Terphenyl-dl4	*34.2*		µg/l		*50.0*		*68*	*30-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1123650 - SW846 3540C										
Blank (1123650-BLK1)					Prepared: 14-Nov-11 Analyzed: 15-Nov-11					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.00*		µg/kg wet		*20.0*		*45*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*10.0*		µg/kg wet		*20.0*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
LCS (1123650-BS1)					Prepared: 14-Nov-11 Analyzed: 15-Nov-11					
Aroclor-1016	**203**		µg/kg wet	20.0	250		81	50-140		
Aroclor-1016 [2C]	**217**		µg/kg wet	20.0	250		87	50-140		
Aroclor-1260	**183**		µg/kg wet	20.0	250		73	50-140		
Aroclor-1260 [2C]	**202**		µg/kg wet	20.0	250		81	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.0*		µg/kg wet		*20.0*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*11.0*		µg/kg wet		*20.0*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
LCS Dup (1123650-BSD1)					Prepared: 14-Nov-11 Analyzed: 15-Nov-11					
Aroclor-1016	**214**		µg/kg wet	20.0	250		86	50-140	5	30
Aroclor-1016 [2C]	**212**		µg/kg wet	20.0	250		85	50-140	2	30
Aroclor-1260	**206**		µg/kg wet	20.0	250		82	50-140	12	30
Aroclor-1260 [2C]	**199**		µg/kg wet	20.0	250		80	50-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.0*		µg/kg wet		*20.0*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*11.0*		µg/kg wet		*20.0*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Duplicate (1123650-DUP1)			**Source: SB39231-01**		Prepared: 14-Nov-11 Analyzed: 15-Nov-11					
Aroclor-1016	< 14.7		µg/kg dry	14.7		BRL				40
Aroclor-1016 [2C]	< 14.7		µg/kg dry	14.7		BRL				40
Aroclor-1221	< 14.7		µg/kg dry	14.7		BRL				40
Aroclor-1221 [2C]	< 14.7		µg/kg dry	14.7		BRL				40
Aroclor-1232	< 14.7		µg/kg dry	14.7		BRL				40
Aroclor-1232 [2C]	< 14.7		µg/kg dry	14.7		BRL				40
Aroclor-1242	< 14.7		µg/kg dry	14.7		BRL				40

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1123650 - SW846 3540C										
Duplicate (1123650-DUP1)			**Source: SB39231-01**		Prepared: 14-Nov-11 Analyzed: 15-Nov-11					
Aroclor-1242 [2C]	< 14.7		µg/kg dry	14.7		BRL				40
Aroclor-1248	< 14.7		µg/kg dry	14.7		BRL				40
Aroclor-1248 [2C]	< 14.7		µg/kg dry	14.7		BRL				40
Aroclor-1254	< 14.7		µg/kg dry	14.7		BRL				40
Aroclor-1254 [2C]	< 14.7		µg/kg dry	14.7		BRL				40
Aroclor-1260	**8.81**	J,QM4	µg/kg dry	14.7		15.5			55	40
Aroclor-1260 [2C]	**8.81**	J,QM4	µg/kg dry	14.7		15.5			55	40
Aroclor-1262	< 14.7		µg/kg dry	14.7		BRL				40
Aroclor-1262 [2C]	< 14.7		µg/kg dry	14.7		BRL				40
Aroclor-1268	< 14.7		µg/kg dry	14.7		BRL				40
Aroclor-1268 [2C]	< 14.7		µg/kg dry	14.7		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.2*		µg/kg dry		*14.7*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*11.7*		µg/kg dry		*14.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.4*		µg/kg dry		*14.7*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*14.0*		µg/kg dry		*14.7*		*95*	*30-150*		
Matrix Spike (1123650-MS1)			**Source: SB39231-01**		Prepared: 14-Nov-11 Analyzed: 15-Nov-11					
Aroclor-1016	**269**	QM1	µg/kg dry	14.6	183	BRL	147	40-135		
Aroclor-1016 [2C]	**308**	QM1	µg/kg dry	14.6	183	BRL	168	40-135		
Aroclor-1260	**160**		µg/kg dry	14.6	183	15.5	79	40-135		
Aroclor-1260 [2C]	**127**		µg/kg dry	14.6	183	15.5	61	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.2*		µg/kg dry		*14.6*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*11.0*		µg/kg dry		*14.6*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.9*		µg/kg dry		*14.6*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*10.2*		µg/kg dry		*14.6*		*70*	*30-150*		
Matrix Spike Dup (1123650-MSD1)			**Source: SB39231-01**		Prepared: 14-Nov-11 Analyzed: 15-Nov-11					
Aroclor-1016	**445**		µg/kg dry	14.7	368	BRL	121	40-135	20	30
Aroclor-1016 [2C]	**582**	QM1	µg/kg dry	14.7	368	BRL	158	40-135	6	30
Aroclor-1260	**369**		µg/kg dry	14.7	368	15.5	96	40-135	19	30
Aroclor-1260 [2C]	**283**		µg/kg dry	14.7	368	15.5	73	40-135	18	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*12.5*		µg/kg dry		*14.7*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.2*		µg/kg dry		*14.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.7*		µg/kg dry		*14.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.5*		µg/kg dry		*14.7*		*85*	*30-150*		
Batch 1123688 - SW846 3510C										
Blank (1123688-BLK1)					Prepared: 15-Nov-11 Analyzed: 16-Nov-11					
Aroclor-1016	< 0.200		µg/l	0.200						
Aroclor-1016 [2C]	< 0.200		µg/l	0.200						
Aroclor-1221	< 0.200		µg/l	0.200						
Aroclor-1221 [2C]	< 0.200		µg/l	0.200						
Aroclor-1232	< 0.200		µg/l	0.200						
Aroclor-1232 [2C]	< 0.200		µg/l	0.200						
Aroclor-1242	< 0.200		µg/l	0.200						
Aroclor-1242 [2C]	< 0.200		µg/l	0.200						
Aroclor-1248	< 0.200		µg/l	0.200						
Aroclor-1248 [2C]	< 0.200		µg/l	0.200						
Aroclor-1254	< 0.200		µg/l	0.200						
Aroclor-1254 [2C]	< 0.200		µg/l	0.200						
Aroclor-1260	< 0.200		µg/l	0.200						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1123688 - SW846 3510C										
Blank (1123688-BLK1)						Prepared: 15-Nov-11 Analyzed: 16-Nov-11				
Aroclor-1260 [2C]	< 0.200		µg/l	0.200						
Aroclor-1262	< 0.200		µg/l	0.200						
Aroclor-1262 [2C]	< 0.200		µg/l	0.200						
Aroclor-1268	< 0.200		µg/l	0.200						
Aroclor-1268 [2C]	< 0.200		µg/l	0.200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0900*		µg/l		*0.200*		*45*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.110*		µg/l		*0.200*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.140*		µg/l		*0.200*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.180*		µg/l		*0.200*		*90*	*30-150*		
LCS (1123688-BS1)						Prepared: 15-Nov-11 Analyzed: 16-Nov-11				
Aroclor-1016	**2.18**		µg/l	0.200	2.50		87	50-140		
Aroclor-1016 [2C]	**2.38**		µg/l	0.200	2.50		95	50-140		
Aroclor-1260	**2.10**		µg/l	0.200	2.50		84	50-140		
Aroclor-1260 [2C]	**2.24**		µg/l	0.200	2.50		90	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0900*		µg/l		*0.200*		*45*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.100*		µg/l		*0.200*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.150*		µg/l		*0.200*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.190*		µg/l		*0.200*		*95*	*30-150*		
LCS Dup (1123688-BSD1)						Prepared: 15-Nov-11 Analyzed: 16-Nov-11				
Aroclor-1016	**2.30**		µg/l	0.200	2.50		92	50-140	5	30
Aroclor-1016 [2C]	**2.56**		µg/l	0.200	2.50		102	50-140	7	30
Aroclor-1260	**2.20**		µg/l	0.200	2.50		88	50-140	5	30
Aroclor-1260 [2C]	**2.40**		µg/l	0.200	2.50		96	50-140	7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.100*		µg/l		*0.200*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.110*		µg/l		*0.200*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.150*		µg/l		*0.200*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.200*		µg/l		*0.200*		*100*	*30-150*		
Batch 1124029 - SW846 3540C										
Blank (1124029-BLK1)						Prepared: 18-Nov-11 Analyzed: 19-Nov-11				
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1124029 - SW846 3540C										
Blank (1124029-BLK1)					Prepared: 18-Nov-11 Analyzed: 19-Nov-11					
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS (1124029-BS1)					Prepared: 18-Nov-11 Analyzed: 19-Nov-11					
Aroclor-1016	**213**		µg/kg wet	20.0	250		85	50-140		
Aroclor-1016 [2C]	**229**		µg/kg wet	20.0	250		92	50-140		
Aroclor-1260	**208**		µg/kg wet	20.0	250		83	50-140		
Aroclor-1260 [2C]	**201**		µg/kg wet	20.0	250		80	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS Dup (1124029-BSD1)					Prepared: 18-Nov-11 Analyzed: 19-Nov-11					
Aroclor-1016	**213**		µg/kg wet	20.0	250		85	50-140	0	30
Aroclor-1016 [2C]	**229**		µg/kg wet	20.0	250		92	50-140	0	30
Aroclor-1260	**212**		µg/kg wet	20.0	250		85	50-140	2	30
Aroclor-1260 [2C]	**198**		µg/kg wet	20.0	250		79	50-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Duplicate (1124029-DUP1)			**Source: SB39231-14**		Prepared: 18-Nov-11 Analyzed: 21-Nov-11					
Aroclor-1016	< 22.0		µg/kg dry	22.0		BRL				40
Aroclor-1016 [2C]	< 22.0		µg/kg dry	22.0		BRL				40
Aroclor-1221	< 22.0		µg/kg dry	22.0		BRL				40
Aroclor-1221 [2C]	< 22.0		µg/kg dry	22.0		BRL				40
Aroclor-1232	< 22.0		µg/kg dry	22.0		BRL				40
Aroclor-1232 [2C]	< 22.0		µg/kg dry	22.0		BRL				40
Aroclor-1242	< 22.0		µg/kg dry	22.0		BRL				40
Aroclor-1242 [2C]	< 22.0		µg/kg dry	22.0		BRL				40
Aroclor-1248	**836**		µg/kg dry	22.0		779			7	40
Aroclor-1248 [2C]	**827**		µg/kg dry	22.0		751			10	40
Aroclor-1254	< 22.0		µg/kg dry	22.0		BRL				40
Aroclor-1254 [2C]	< 22.0		µg/kg dry	22.0		BRL				40
Aroclor-1260	**65.0**		µg/kg dry	22.0		70.8			9	40
Aroclor-1260 [2C]	**67.2**		µg/kg dry	22.0		67.6			0.6	40
Aroclor-1262	< 22.0		µg/kg dry	22.0		BRL				40
Aroclor-1262 [2C]	< 22.0		µg/kg dry	22.0		BRL				40
Aroclor-1268	< 22.0		µg/kg dry	22.0		BRL				40
Aroclor-1268 [2C]	< 22.0		µg/kg dry	22.0		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.9*		µg/kg dry		*22.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*23.1*		µg/kg dry		*22.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.4*		µg/kg dry		*22.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*11.0*		µg/kg dry		*22.0*		*50*	*30-150*		
Matrix Spike (1124029-MS1)			**Source: SB39231-14**		Prepared: 18-Nov-11 Analyzed: 19-Nov-11					
Aroclor-1016	**912**	QM1	µg/kg dry	21.9	274	BRL	333	40-135		
Aroclor-1016 [2C]	**1230**	QM1	µg/kg dry	21.9	274	BRL	450	40-135		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1124029 - SW846 3540C										
Matrix Spike (1124029-MS1)			**Source: SB39231-14**		Prepared: 18-Nov-11 Analyzed: 19-Nov-11					
Aroclor-1260	**224**		µg/kg dry	21.9	274	70.8	56	40-135		
Aroclor-1260 [2C]	**226**		µg/kg dry	21.9	274	67.6	58	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*26.3*		µg/kg dry		*21.9*		*120*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.7*		µg/kg dry		*21.9*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.5*		µg/kg dry		*21.9*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.5*		µg/kg dry		*21.9*		*80*	*30-150*		
Matrix Spike Dup (1124029-MSD1)			**Source: SB39231-14**		Prepared: 18-Nov-11 Analyzed: 19-Nov-11					
Aroclor-1016	**5250**	QM1	µg/kg dry	21.7	272	BRL	1930	40-135	141	30
Aroclor-1016 [2C]	**1480**	QM1	µg/kg dry	21.7	272	BRL	545	40-135	19	30
Aroclor-1260	**238**		µg/kg dry	21.7	272	70.8	62	40-135	10	30
Aroclor-1260 [2C]	**212**		µg/kg dry	21.7	272	67.6	53	40-135	8	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.6*		µg/kg dry		*21.7*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*15.2*		µg/kg dry		*21.7*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.4*		µg/kg dry		*21.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.3*		µg/kg dry		*21.7*		*75*	*30-150*		
Batch 1124218 - SW846 3540C										
Blank (1124218-BLK1)					Prepared: 21-Nov-11 Analyzed: 22-Nov-11					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
LCS (1124218-BS1)					Prepared: 21-Nov-11 Analyzed: 22-Nov-11					
Aroclor-1016	**258**		µg/kg wet	20.0	250		103	50-140		
Aroclor-1016 [2C]	**293**		µg/kg wet	20.0	250		117	50-140		
Aroclor-1260	**246**		µg/kg wet	20.0	250		98	50-140		
Aroclor-1260 [2C]	**264**		µg/kg wet	20.0	250		106	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*12.0*		µg/kg wet		*20.0*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*13.0*		µg/kg wet		*20.0*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1124218 - SW846 3540C										
LCS (1124218-BS1)						Prepared: 21-Nov-11 Analyzed: 22-Nov-11				
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
LCS Dup (1124218-BSD1)						Prepared: 21-Nov-11 Analyzed: 22-Nov-11				
Aroclor-1016	**261**		µg/kg wet	20.0	250		104	50-140	1	30
Aroclor-1016 [2C]	**297**		µg/kg wet	20.0	250		119	50-140	1	30
Aroclor-1260	**249**		µg/kg wet	20.0	250		100	50-140	1	30
Aroclor-1260 [2C]	**269**		µg/kg wet	20.0	250		108	50-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*12.0*		µg/kg wet		*20.0*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*13.0*		µg/kg wet		*20.0*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1123657 - SW846 3005A										
Blank (1123657-BLK1)					Prepared: 14-Nov-11 Analyzed: 15-Nov-11					
Zinc	< 0.0050		mg/l	0.0050						
Nickel	< 0.0050		mg/l	0.0050						
Selenium	< 0.0150		mg/l	0.0150						
Lead	< 0.0075		mg/l	0.0075						
Thallium	< 0.0050		mg/l	0.0050						
Antimony	< 0.0060		mg/l	0.0060						
Barium	< 0.0050		mg/l	0.0050						
Arsenic	< 0.0040		mg/l	0.0040						
Beryllium	< 0.0020		mg/l	0.0020						
Cadmium	< 0.0025		mg/l	0.0025						
Chromium	< 0.0050		mg/l	0.0050						
Copper	< 0.0050		mg/l	0.0050						
Vanadium	< 0.0050		mg/l	0.0050						
Silver	< 0.0050		mg/l	0.0050						
LCS (1123657-BS1)					Prepared: 14-Nov-11 Analyzed: 15-Nov-11					
Zinc	**1.29**		mg/l	0.0050	1.25		103	85-115		
Thallium	**1.30**		mg/l	0.0050	1.25		104	85-115		
Selenium	**1.29**		mg/l	0.0150	1.25		103	85-115		
Antimony	**1.32**		mg/l	0.0060	1.25		106	85-115		
Lead	**1.33**		mg/l	0.0075	1.25		107	85-115		
Nickel	**1.31**		mg/l	0.0050	1.25		105	85-115		
Silver	**1.24**		mg/l	0.0050	1.25		99	85-115		
Barium	**1.33**		mg/l	0.0050	1.25		106	85-115		
Arsenic	**1.27**		mg/l	0.0040	1.25		102	85-115		
Vanadium	**1.21**		mg/l	0.0050	1.25		97	85-115		
Copper	**1.33**		mg/l	0.0050	1.25		106	85-115		
Chromium	**1.25**		mg/l	0.0050	1.25		100	85-115		
Cadmium	**1.30**		mg/l	0.0025	1.25		104	85-115		
Beryllium	**1.25**		mg/l	0.0020	1.25		100	85-115		
LCS Dup (1123657-BSD1)					Prepared: 14-Nov-11 Analyzed: 15-Nov-11					
Thallium	**1.34**		mg/l	0.0050	1.25		107	85-115	2	20
Zinc	**1.32**		mg/l	0.0050	1.25		106	85-115	2	20
Nickel	**1.34**		mg/l	0.0050	1.25		108	85-115	2	20
Selenium	**1.33**		mg/l	0.0150	1.25		106	85-115	3	20
Antimony	**1.36**		mg/l	0.0060	1.25		108	85-115	3	20
Lead	**1.36**		mg/l	0.0075	1.25		109	85-115	2	20
Arsenic	**1.31**		mg/l	0.0040	1.25		105	85-115	3	20
Barium	**1.34**		mg/l	0.0050	1.25		108	85-115	1	20
Beryllium	**1.26**		mg/l	0.0020	1.25		101	85-115	0.7	20
Cadmium	**1.32**		mg/l	0.0025	1.25		106	85-115	2	20
Chromium	**1.28**		mg/l	0.0050	1.25		102	85-115	2	20
Vanadium	**1.23**		mg/l	0.0050	1.25		99	85-115	2	20
Copper	**1.36**		mg/l	0.0050	1.25		109	85-115	2	20
Silver	**1.27**		mg/l	0.0050	1.25		102	85-115	2	20
Duplicate (1123657-DUP1)			**Source: SB39231-27**		Prepared: 14-Nov-11 Analyzed: 15-Nov-11					
Zinc	**0.134**		mg/l	0.0050		0.114			16	20
Thallium	< 0.0050		mg/l	0.0050		BRL				20
Selenium	< 0.0150		mg/l	0.0150		BRL				20
Antimony	< 0.0060		mg/l	0.0060		BRL				20
Lead	< 0.0075		mg/l	0.0075		BRL				20
Nickel	**0.0023**	J	mg/l	0.0050		0.0022			2	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1123657 - SW846 3005A										
Duplicate (1123657-DUP1)			**Source: SB39231-27**			Prepared: 14-Nov-11 Analyzed: 15-Nov-11				
Cadmium	**0.0027**		mg/l	0.0025		0.0029			5	20
Silver	< 0.0050		mg/l	0.0050		BRL				20
Arsenic	< 0.0040		mg/l	0.0040		BRL				20
Beryllium	< 0.0020		mg/l	0.0020		BRL				20
Chromium	< 0.0050		mg/l	0.0050		BRL				20
Copper	**0.0040**	J	mg/l	0.0050		0.0042			6	20
Vanadium	< 0.0050		mg/l	0.0050		BRL				20
Barium	**2.14**		mg/l	0.0050		2.20			3	20
Matrix Spike (1123657-MS1)			**Source: SB39231-27**			Prepared: 14-Nov-11 Analyzed: 15-Nov-11				
Zinc	**1.41**		mg/l	0.0050	1.25	0.114	104	75-125		
Nickel	**1.25**		mg/l	0.0050	1.25	0.0022	100	75-125		
Lead	**1.23**		mg/l	0.0075	1.25	BRL	98	75-125		
Antimony	**1.47**		mg/l	0.0060	1.25	BRL	117	75-125		
Selenium	**1.45**		mg/l	0.0150	1.25	BRL	116	75-125		
Thallium	**1.28**		mg/l	0.0050	1.25	BRL	103	75-125		
Beryllium	**1.30**		mg/l	0.0020	1.25	BRL	104	75-125		
Chromium	**1.23**		mg/l	0.0050	1.25	BRL	98	75-125		
Cadmium	**1.29**		mg/l	0.0025	1.25	0.0029	103	75-125		
Vanadium	**1.24**		mg/l	0.0050	1.25	BRL	99	70-130		
Arsenic	**1.47**		mg/l	0.0040	1.25	BRL	118	75-125		
Silver	**1.46**		mg/l	0.0050	1.25	BRL	117	75-125		
Copper	**1.42**		mg/l	0.0050	1.25	0.0042	113	75-125		
Barium	**3.43**		mg/l	0.0050	1.25	2.20	98	75-125		
Matrix Spike Dup (1123657-MSD1)			**Source: SB39231-27**			Prepared: 14-Nov-11 Analyzed: 15-Nov-11				
Nickel	**1.26**		mg/l	0.0050	1.25	0.0022	101	75-125	0.6	20
Zinc	**1.42**		mg/l	0.0050	1.25	0.114	104	75-125	0.6	20
Thallium	**1.31**		mg/l	0.0050	1.25	BRL	105	75-125	2	20
Selenium	**1.48**		mg/l	0.0150	1.25	BRL	119	75-125	2	20
Antimony	**1.50**		mg/l	0.0060	1.25	BRL	120	75-125	2	20
Lead	**1.23**		mg/l	0.0075	1.25	BRL	99	75-125	0.4	20
Silver	**1.52**		mg/l	0.0050	1.25	BRL	121	75-125	4	20
Arsenic	**1.51**		mg/l	0.0040	1.25	BRL	121	75-125	3	20
Barium	**3.51**		mg/l	0.0050	1.25	2.20	105	75-125	2	20
Beryllium	**1.37**		mg/l	0.0020	1.25	BRL	110	75-125	6	20
Cadmium	**1.30**		mg/l	0.0025	1.25	0.0029	104	75-125	0.7	20
Chromium	**1.28**		mg/l	0.0050	1.25	BRL	102	75-125	4	20
Copper	**1.47**		mg/l	0.0050	1.25	0.0042	117	75-125	4	20
Vanadium	**1.29**		mg/l	0.0050	1.25	BRL	103	70-130	4	20
Post Spike (1123657-PS1)			**Source: SB39231-27**			Prepared: 14-Nov-11 Analyzed: 15-Nov-11				
Thallium	**1.32**		mg/l	0.0050	1.25	BRL	106	80-120		
Nickel	**1.29**		mg/l	0.0050	1.25	0.0022	103	80-120		
Lead	**1.26**		mg/l	0.0075	1.25	BRL	101	80-120		
Zinc	**1.44**		mg/l	0.0050	1.25	0.114	106	80-120		
Cadmium	**1.33**		mg/l	0.0025	1.25	0.0029	106	80-120		
Copper	**1.47**		mg/l	0.0050	1.25	0.0042	117	80-120		
Chromium	**1.26**		mg/l	0.0050	1.25	BRL	101	80-120		
Silver	**1.49**		mg/l	0.0050	1.25	BRL	120	80-120		
Barium	**3.26**		mg/l	0.0050	1.25	2.20	85	80-120		
Beryllium	**1.34**		mg/l	0.0020	1.25	BRL	107	80-120		
Vanadium	**1.28**		mg/l	0.0050	1.25	BRL	103	80-120		

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1123658 - EPA200/SW7000 Series										
Blank (1123658-BLK1)						Prepared: 14-Nov-11	Analyzed: 15-Nov-11			
Mercury	< 0.00020		mg/l	0.00020						
LCS (1123658-BS1)						Prepared: 14-Nov-11	Analyzed: 15-Nov-11			
Mercury	**0.00429**		mg/l	0.00020	0.00500		86	85-115		
Duplicate (1123658-DUP1)			**Source: SB39231-27**			Prepared: 14-Nov-11	Analyzed: 15-Nov-11			
Mercury	< 0.00020		mg/l	0.00020		BRL				20
Matrix Spike (1123658-MS1)			**Source: SB39231-27**			Prepared: 14-Nov-11	Analyzed: 15-Nov-11			
Mercury	**0.00483**		mg/l	0.00020	0.00500	BRL	97	80-120		
Matrix Spike Dup (1123658-MSD1)			**Source: SB39231-27**			Prepared: 14-Nov-11	Analyzed: 15-Nov-11			
Mercury	**0.00514**		mg/l	0.00020	0.00500	BRL	103	80-120	6	20
Post Spike (1123658-PS1)			**Source: SB39231-27**			Prepared: 14-Nov-11	Analyzed: 15-Nov-11			
Mercury	**0.00499**		mg/l	0.00020	0.00500	BRL	100	85-115		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1124103 - General Preparation										
Duplicate (1124103-DUP1)			**Source: SB39231-18**		Prepared & Analyzed: 18-Nov-11					
% Solids	**92.4**		%			92.5			0.1	20

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QM1	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
R01	The Reporting Limit has been raised to account for matrix interference.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Kimberly Wisk
Nicole Leja

SB 39231 ✓ BM (10 Samples)

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CHAIN OF CUSTODY RECORD

Page 1 of 3

Patrick Gratton
203 443-3239

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 11-16-11
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Malcolm Beeler
500 Enterprise Drive Suite 1A
Rocky Hill, CT 06067

Telephone #: 860 263-5806
Project Mgr. Malcolm Beeler

Invoice To: same as report to

P.O. No.: RQN:

Project No.: 60225155
Site Name: Greenwich High School
Location: Greenwich State: CT
Sampler(s): Patrick Gratton + Ann Bogucki

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= 11=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: PCBs by Soxhlet Ext 3540/8082

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCBs by Soxhlet Ext 3540/8082
39231-01	AH21A-SB218(1-2)-1	11-13-11	1020	G	SO		1			X
02	AH21A-SB218(4-5)-1		1020				1			X
03	AH21A-SB218(5.5-6.5)-1		1025				1			X
04	AH21B-SB219(2-3)-1		1120				1			X
05	AH21B-SB219(4-5)-1		1125				1			X
06	AH21B-SB219(6-7)-1		1135				1			X
07	AH21C-SB220(2-3)-1		1145				1			X
08	AH21C-SB220(4-5)-1		1150				1			X
09	AH21C-SB220(5-6)-1		1155				1			X
10	AH21D-SB221(2-3)-1		1225				1			X

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☑ No ☐

QA/QC Reporting Level
☑ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Patrick Gratton	[signature]	11-14-11	1139	5
[signature]	[signature]	11/14/11	1703	~~170~~ EM

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SB 39231 BMJ (10 Samples)

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CHAIN OF CUSTODY RECORD

Page 2 of 3

Patrick Gratton
203 443-3239

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- ☒ Rush TAT - Date Needed: 11-16-11
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Malcolm Beeler
500 Enterprise Drive Suite 1A
Rocky Hill, CT 06067

Telephone #: 860 263-5806
Project Mgr. Malcolm Beeler

Invoice To: same as report to

P.O. No.: RQN:

Project No.: 60225155
Site Name: Greenwich High School
Location: Greenwich State: CT
Sampler(s): Patrick Gratton + Ann Bogucki

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= 11=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☑ No ☐

QA/QC Reporting Level
☑ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass (Containers)	# of Clear Glass	# of Plastic	PCBs by Soxhlet Ext 3540/8082 (Analyses)								
39231-11	AH21D-SB221(4-5)-1	11-13-11	1225	G	So		1			X								
12	AH21D-SB221(6-7)-1		1230				1			X								
13	AH21B-SB219(6-7)-1		1135				1			X								
14	AH21E-SB222(2-3)-1		1305				1			X	HOLD SAMPLE							
15	AH21E-SB222(4-5)-1		1300				1			X	HOLD SAMPLE							
16	AH21E-SB222(5-6)-1		1305				1			X	HOLD SAMPLE							
17	AH21F-SB223(3-4)-1		1325				1			X	HOLD SAMPLE							
18	AH21F-SB223(4-5)-1		1325				1			X	HOLD SAMPLE							
19	AH21F-SB223(5-6)-1		1330				1			X	HOLD SAMPLE							
20	AH21G-SB224(2-3)-1		1400				1			X	HOLD SAMPLE							

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Patrick Gratton	[signature]	11-14-11	1139	
[signature]	[signature]	11/14/11	1703	5

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☐ Ambient ☐ Iced ☒ Refrigerated ☐ Fridge temp ____ °C ☐ Freezer temp ____ °C

SB 39231 Eq ✓ (5 sample bottles GW) (6 samples) soil

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CHAIN OF CUSTODY RECORD

Page 3 of 3

Patrick Gratton
203 443-3239

Special Handling:
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Report To: Malcolm Beeler
500 Enterprise Drive Suite 1A
Rocky Hill, CT 06067

Telephone #: 860 263-5806
Project Mgr. Malcolm Beeler

Invoice To: same as report to

P.O. No.: RQN:

Project No.: 60225155
Site Name: Greenwich High School
Location: Greenwich State: CT
Sampler(s): Patrick Gratton + Ann Bogucki

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= 11=

List preservative code below: 4

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☑ No ☐

QA/QC Reporting Level
☑ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCBs by Soxhlet Ext 3540 18082		Metals CT 15	PCBs 8082	8270 PAHs
39231-21	AH21G-SB224(4-5)-1	11/13/11	1355	G	SO		1			X	HOLD	SAMPLE		
22	AH21G-SB224(6-7)-1		1400				1			X	HOLD	SAMPLE		
23	AH21H-SB225(3-4)-1		1420				1			X	HOLD	SAMPLE		
24	AH21H-SB225(4-5)-1		1425				1			X	HOLD	SAMPLE		
25	AH21H-SB225(5-6)-1		1425				1			X	HOLD	SAMPLE		
26	AH21H-SB225(5-6)-2		1425				1			X	HOLD	SAMPLE		
27	MW-West		1500	G	GW		4		1			X	X	X

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Patrick Gratton	[signature]	11-14-11	1139	
[signature]	[signature]	11/14/11	1703	.5

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☐ Ambient ☐ Iced ☒ Refrigerated ☐ Fridge temp ___°C ☐ Freezer temp ___°C

SB 39231 BM (10 Samples)

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CHAIN OF CUSTODY RECORD

Page 2 of 3

Patrick Gratton
203 443-3239

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 11-16-11
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: Malcolm Beeler
500 Enterprise Drive Suite 1A
Rocky Hill, CT 06067

Telephone #: 860 263-5806
Project Mgr. Malcolm Beeler

Invoice To: same as report to

P.O. No.: RQN:

Project No.: 60225155
Site Name: Greenwich High School
Location: Greenwich State: CT
Sampler(s): Patrick Gratton + Ann Boguchi

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= 11=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☑ No ☐

QA/QC Reporting Level
☑ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:
(X) added PCB (3540 ext) per email 11/17/11 (LB)

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCBs by Soxhlet Ext 3540/8082	PCB (3540 ext)							
39231-11	AH21D-SB221(4-5)-1	11-13-11	1225	G	So		1			X								
12	AH21D-SB221(6-7)-1		1230				1			X								
13	AH21D-SB219(6-7)-3		1135				1			X								
14	AH21E-SB222(2-3)-1		1305				1			X	(X)	HOLD SAMPLE						
15	AH21E-SB222(4-5)-1		1300				1			X	(X)	HOLD SAMPLE						
16	AH21E-SB222(5-6)-1		1305				1			X	(X)	HOLD SAMPLE						
17	AH21F-SB223(3-4)-1		1325				1			X	(X)	HOLD SAMPLE						
18	AH21F-SB223(4-5)-1		1325				1			X	(X)	HOLD SAMPLE						
19	AH21F-SB223(5-6)-1		1330				1			X	(X)	HOLD SAMPLE						
20	AH21G-SB224(2-3)-1		1400				1			X	(X)	HOLD SAMPLE						

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Patrick Gratton	[signature]	11-14-11	1139	
[signature]	[signature]	11/14/11	1703	15

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Revised July 2010

SB 39231 Eq ✓ (5 sample bottles GW) (6 samples) soil

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CHAIN OF CUSTODY RECORD

Page 3 of 3

Patrick Gratton
203 443-3239

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Report To: Malcolm Beeler
500 Enterprise Drive Suite 1A
Rocky Hill, CT 06067

Telephone #: 860 263-5806
Project Mgr. Malcolm Beeler

Invoice To: Same as report to

P.O. No.: RQN:

Project No.: 60225155
Site Name: Greenwich High School
Location: Greenwich State: CT
Sampler(s): Patrick Gratton + Ann Bogucki

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= 11=

List preservative code below: 4

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☑ No ☐

QA/QC Reporting Level
☑ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:
(X) added PCB (3540 ext) per email 11/17/11 (LB)

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCBs by Soxhlet Ext 3540 18082			Metals CT 15	PCBs 8082	8270 PAHs	PCB (3540 ext)
39231-21	AH21G-SB224(4-5)-1	11/13/11	1355	G	SO		1			X	HOLD	SAMPLE				X
22	AH21G-SB224(6-7)-1		1400				1			X	HOLD	SAMPLE				X
23	AH21H-SB225(3-4)-1		1420				1			X	HOLD	SAMPLE				X
24	AH21H-SB225(4-5)-1		1425				1			X	HOLD	SAMPLE				X
25	AH21H-SB225(5-6)-1		1425				1			X	HOLD	SAMPLE				X
26	AH21H-SB225(5-6)-2		1425				1			X	HOLD	SAMPLE				X
27	MW-West		1500	G	GW		4		1				X	X	X	

Relinquished by:	Received by:	Date:	Time:	Temp°C
Patrick Gratton	[signature]	11-14-11	1139	
[signature]	[signature]	11/14/11	1703	.5

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Appendix B

Soil Boring Logs

Boring Log

Boring #: AI19-SB200
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By: Greg Beach/Jim Honda
Project: Greenwich High School	Northing: 0.000000 Easting: 0.000000	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller: Jason Darau
Start Date: 10/2/2011	Drill Rig Type: Geoprobe	Water Level (ft) 5
Finish Date: 10/2/2011	Method: Direct Push	Total Depth (ft): 20

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
42	0.0		SM		0	Gray, fine to medium SAND, little silt, trace gravel (crushed stone from ~2-4'), Moist	
					2		
					4		
32	0.0		SM		6	Gray, fine to medium SAND, little silt, little gravel (8-9' is crushed stone w/ ~0.5 in of organics (appears to be wood), Wet (5-9' interval is saturated; 9-10' interval is mosit to wet, below the gravel layer)	
					8		
3	0.0		SM		10	Dark Gray, medium to coarse SAND, little silt, little gravel, Wet (Visible Water)	
					12		
					14		
5	0.0		SM			SAA	
45			Pt		16	Dark Brown, SILT, and Organics, Sulfur type odor, Moist, (Peat)	
					18		
					20		

Remarks: Boring Terminated (ft): 20

Geoprobe cores are 5' in length

AECOM
500 Enterprise Drive, Suite 1A
Rocky Hill, CT 06067
Phone: 860) 263-5800
Fax: (860) 263-5777

Boring Log

Boring #: AH19-SB201
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By: Greg Beach/Jim Honda
Project: Greenwich High School	Northing: 0.000000 Easting: 0.000000	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller: Jason Darau
Start Date: 10/2/2011	Drill Rig Type: Geoprobe	Water Level (ft) 10
Finish Date: 10/2/2011	Method: Direct Push	Total Depth (ft): 15

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
30	0.2		SW		0, 2, 4	Brown to Gray, fine to coarse SAND, little gravel, trace silt (Crushed stone at ~2-3' and 4-5' intervals), Dry	
14	2.0		SW		6	SAA	
7			Wood			Wood, Dry	
14			SM		8	Gray, fine to coarse SAND, some silt, little gravel (2" band of crushed stone; 2" silty band), Moist	
24	0.2		SM		10	Black, fine to coarse SAND, some silt, some gravel, Wet (Visible Water, soupy)	
26			Pt		12, 14	Dark Brown, SILT, some fine Organics (percentage of organics increases w/depth), Moist, (coarse sand band in the peat from ~12.5 to 13.5' bgs)	

Remarks: Boring Terminated (ft): 15

Geoprobe cores are 5' in length

AECOM
500 Enterprise Drive, Suite 1A
Rocky Hill, CT 06067
Phone: 860) 263-5800
Fax: (860) 263-5777

Boring Log

Boring #: AF21-SB202
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By: Greg Beach/Jim Honda
Project: Greenwich High School	Northing: 761879.00 Easting: 576701.00	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller: Jason Darau
Start Date: 10/2/2011	Drill Rig Type: Geoprobe	Water Level (ft) 10
Finish Date: 10/2/2011	Method: Direct Push	Total Depth (ft): 15

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
27	0.2		SM		0	Light Brown to Gray, fine to coarse SAND, grades from trace silt at top to little at bottom of recovery, little gravel, several brick fragments from 3-3.5' bgs,, Dry	
					2		
					4		
12			SM			SAA	
					6		
4			SM			Dark Gray, fine to coarse SAND, little silt, trace wood material and glass, Unknown Odor, Dry	
12			GP		8	Light Gray, coarse GRAVEL, Dry	
12			ML			Gray, SILT, some clay, Moist	
17			ML		10	Dark Gray SAA, Wet (Visible Water)	
38.5			Pt		12	Reddish Brown, SILT, some ORGANICS, Moist	
					14		

Remarks: Boring Terminated (ft): 15

Geoprobe cores are 5' in length

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Boring Log

Boring #: AF23-SB203
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By: Greg Beach/Jim Honda
Project: Greenwich High School	Northing: 761962.00 Easting: 576699.00	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller: Jason Darau
Start Date: 10/2/2011	Drill Rig Type: Geoprobe	Water Level (ft) 13
Finish Date: 10/2/2011	Method: Direct Push	Total Depth (ft): 16.5

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
24	0.2		SM		0	Brown, fine to medium SAND, little silt, trace gravel (thin layer), Moist (due to poor recovery, drove 0-2.5' and 2.5'-5' macro core)	
					2		
					4		
18	0.2		SP		6	Light Brown, fine to medium SAND, trace silt, trace gravel, Dry	
12	0.2		SM		8	Brown, fine medium SAND, little silt,thin gravel layer above, Moist	
35	0.2		SM		10	Light Brown, fine to medium SAND, little silt (less silty than materia above)l, Moist to Wet	
					12		
					14		
16			SM		16	Light Brown, medium to coarse SAND, Wet (Visible Water), Refusal at 16.5'	

Remarks: Boring Terminated (ft): 16.5

Geoprobe cores are 5' in length

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Boring Log

Boring #: AH23-SB204
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By: Greg Beach/Jim Honda
Project: Greenwich High School	Northing: 761950.00 Easting: 576781.00	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller: Jason Darau
Start Date: 10/2/2011	Drill Rig Type: Geoprobe	Water Level (ft) 10
Finish Date: 10/2/2011	Method: Direct Push	Total Depth (ft): 16

Sample: Rec (inches)	PID (ppm)	Blow Counts	USCS Code	Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
10.5	0.2		SP		0	Reddish Brown, fine to medium SAND, trace silt, Dry	
24.5	0.5		SM		2	Dark Gray, fine to medium SAND, little silt, Dry	
7			SP		4	Light Brownish Gray, fine SAND, some gravel, Dry	
9			SP		6	SAA	
23			SP		8	Gray to Brown, fine to medium SAND, little silt, Moist	
13.5			SP		10	SAA, Wet (Visible Water)	
24.5			SP		12	Light Yellowish Brown, medium SAND, little gravel, Wet (Visible Water)	
12			SP		14	SAA, Refusal at 16'	
					16		

Remarks: Boring Terminated (ft): 16

Geoprobe cores are 5' in length

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Boring Log

Boring #: AI22-SB205
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By: Greg Beach/Jim Honda
Project: Greenwich High School	Northing: 761905.00 Easting: 576820.00	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller: Jason Darau
Start Date: 10/2/2011	Drill Rig Type: Geoprobe	Water Level (ft) 10
Finish Date: 10/2/2011	Method: Direct Push	Total Depth (ft): 16

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
10	0.0		SP		0	Grades from Brown to Gray, fine to medium SAND, trace silt, trace gravel, Dry	
	0.2				2		
10	0.2		Stone		4	Crushed Stone, Dry	
20	0.0		ML		6	Black, SILT, Metal Fragment (~2" in length), Moist	
					8		
5	0.0		GW			Gray to Black, medium to coarse SAND and GRAVEL, Moist	
10	0.2		Pt		10	Black, SILT and ORGANICS, Wet (Visible Water)	
25	0.0		SW		12	Gray, fine to coarse SAND, little gravel, trace silt, Wet (Visible Water)	
					14		
18			SW		16	SAA, Refusal at 16' BGS	

Remarks: Boring Terminated (ft): 16

Geoprobe cores are 5' in length

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Boring Log

Boring #: AH21-SB206
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By: Greg Beach/Jim Honda
Project: Greenwich High School	Northing: 761872.00 Easting: 576770.00	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller: Jason Darau
Start Date: 10/2/2011	Drill Rig Type: Geoprobe	Water Level (ft) Not Observed
Finish Date: 10/2/2011	Method: Direct Push	Total Depth (ft): 15

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
7	0		SP		0	Brown, fine to medium SAND, trace silt, Dry	
28	3.3		SM		2, 4	Gray, fine to medium SAND, little silt, little gravel, trace Brick, Dry	
36	0.4		SM		6, 8	SAA, Dry	
11			Pt		10	Brown, SILT, little organics, Moist	
60			Pt		12, 14	Dark Brown, SILT, little organics, Moist	

Remarks: Boring Terminated (ft): 15

Geoprobe cores are 5' in length

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Boring Log

Boring #: AJ23-SB207
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By: Greg Beach/Jim Honda
Project: Greenwich High School	Northing: 761938.00 Easting: 576861.00	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller: Jason Darau
Start Date: 10/2/2011	Drill Rig Type: Geoprobe	Water Level (ft) 11
Finish Date: 10/2/2011	Method: Direct Push	Total Depth (ft): 14

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
8	0.0		SP		0	Light Brown, fine to medium SAND, trace silt, trace gravel, Dry	
23	0.2		SM		2	Gray to Dark Brown, fine to medium SAND, little silt, little gravel, Dry, (Material from 2.5-3' was dark brown to black, siltier and trace organics)	
9			SP		4	Gray, fine to medium SAND, trace silt, little gravel, Moist	
27	0.0		SP		6	SAA	
18			SP		8	Light Brown, fine to medium SAND, trace silt, trace gravel, Moist	
48			SP		10	SAA, Wet at 11' BGS, Refusal at 14' BGS (rock in tip)	
					12		
					14		

Remarks: Boring Terminated (ft): 14

Geoprobe cores are 5' in length

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Boring Log

Boring #: AI23-SB208
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By: Julie Williams/Ann Bogucki
Project: Greenwich High School	Northing: 761942.00 Easting: 576823.00	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller:
Start Date:	Drill Rig Type: Geoprobe	Water Level (ft) GW = 7
Finish Date:	Method: Direct Push	Total Depth (ft): 11

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
60/33	1.3		SW		0	Dark brown, well graded SAND with gravel. Brock fragment)coarse sand). Fine angular gray gravel.	
60/33	1.1		SW-SM		2, 4	Dark gray, moist well graded SAND with silt and gravel. Fine angular gravel	
60/33	1.1		SP			Light brownish gray, dry poorly graded SAND. Medium to coarse sand. Fine angular gravel (quartz).	
60/41			SP		6	SAA	
60/41	1.1		SW-SM		8	Light brownish gray, moist to wet, well graded SAND and gravel with silt. Medium density, higher % of fine sand and silt. Angular gravel.	
60/41			SW-SM		10	Yellowish brown Till.	
12/12			SW-SM			SAA, Refusal at 11' BGS.	

Remarks: Boring Terminated (ft): 11

Geoprobe cores are 5' in length

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Boring Log

Boring #: AJ22-SB209
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By: Julie Williams/Ann Bogucki
Project: Greenwich High School	Northing: 761899.00 Easting: 576858.00	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller:
Start Date:	Drill Rig Type: Geoprobe	Water Level (ft) Not Observed
Finish Date:	Method: Direct Push	Total Depth (ft): 8

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
60/34	1.0		SW		0	Dark brown, dry, well graded SAND with gravel. Fine angular gray gravel (crushed stone)	
	1.5		SW-SM		2, 4	Light brownish gray, dry, well graded SAND with Silt and gravel. Fine angular quartz gravel (broken by geoprobe), slight odor. Bottom 4": Dark brown-black Organic soil w/ sand (OL-OH, Peat)	
36/25	0.9		SW-SM		6	Light brownish gray, moist, well graded SAND and silt w/ gravel (lense of peat)	
	0.6		Pt		8	Dark brown/black moist ORGANIC SOIL with sand (peat). Medium density. Refusal at 8' BGS.	

Remarks: Boring Terminated (ft): 8

Geoprobe cores are 5' in length

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Boring Log

Boring #: AJ21-SB210
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By: Julie Williams/Ann Bogucki
Project: Greenwich High School	Northing: 761861.00 Easting: 576851.00	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller:
Start Date: 10/9/2011	Drill Rig Type: Geoprobe	Water Level (ft) Not Observed
Finish Date: 10/9/2011	Method: Direct Push	Total Depth (ft): 15

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
60/36	0.9		SW		0	Dark brown, well graded SAND with gravel. Fine angular gravel (trap rock/ crushed stone)	
			SW-SM		2, 4	Alternating intervals of 4" of crushed dry gray gravel (quartz) and dark brown well graded SAND with silt and gravel, trace debris (wire fragment)	
60/34	1.2		SW-SM			SAA	
	0.8		CL		6, 8	Light brownish gray, lean, moist, Sandy CLAY with gravel. Fine sub-rounded gravel, veryy hard (pond sediment).	
			OL-OH		10	Dark brown, moist, ORGANIC SOIL with sand. Roots visible.	
60/39			SW/ OL/OH			Light brownish gray well graded SAND with gravel with 2" intervals of OL/OH.	
	1.3		Pt		12, 14	Dark reddish brown, moist, ORGANIC SOIL.	

Remarks: Boring Terminated (ft): 15

Geoprobe cores are 5' in length

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Boring Log

Boring #: AI21-SB211
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By: Julie Williams/Ann Bogucki
Project: Greenwich High School	Northing: 761867.00 Easting: 576811.00	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller:
Start Date: 10/9/2011	Drill Rig Type: Geoprobe	Water Level (ft) Not Observed
Finish Date: 10/9/2011	Method: Direct Push	Total Depth (ft): 15

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
60/34	0.4		SW		0	Brown to dark brown, dry, well graded SAND with gravel. Red brick fragments. Fine angular gravel (crushed stone)	
					2		
					4	Black, wet, well graded SAND with gravel. Glass fragments, finished wood. Slight petro odor	
			SW				
60/50			SW			SAA	
			SW		6	Same fill material as 0-4.5' BGS.	
	0.8		SW-SM			Light brownish gray, dry, well graded SAND with silt and gravel. 2" interval of yellowish brown poorly graded SAND (medium sand)	
					8		
			Pt			Dark brown, moist, ORAGNIC SOIL with sand	
60/48			Pt		10	SAA	
	0.6		Pt			Dark reddish brown ORGANIC SOIL (Peat)	
					12		
					14		

Remarks: Boring Terminated (ft): 15

Geoprobe cores are 5' in length

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Boring Log

Boring #: AH22-SB212
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By: Julie Williams/Ann Bogucki
Project: Greenwich High School	Northing: 761912.00 Easting: 576778.00	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller:
Start Date: 10/9/2011	Drill Rig Type: Geoprobe	Water Level (ft) Not Observed
Finish Date: 10/9/2011	Method: Direct Push	Total Depth (ft): 15

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
60/35	0.9		SW		0	Yellowish brown, dry, well graded SAND with gravel.	
			SW-SM		2, 4	Light brownish gray, dry well graded SAND with silt and gravel. Fine angular gravel. Trace wood fragments.	
60/39			SW-SM		6	SAA	
	0.6		ML			Greenish black, moist, fat CLAY with sand.	
			SW			Gray, moist, well graded SAND	
	0.9		OL-OH		8	Dark reddish brown ORGANIC SOIL with sand.	
	0.9		SW			Gray, well graded SAND with gravel	
60/40			SW		10	SAA	
			Pt			Dark reddish brown, moist, ORGANIC SOIL with sand.	
			SP		12, 14	Gray, wet, poorly graded SAND with gravel. Medium to coarse sand. Sub-rounded fine gravel. Rounded coarse sand varying color. Refusal at 15' BGS.	
	0.9						

Remarks: Boring Terminated (ft): 15

Geoprobe cores are 5' in length

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Boring Log

Boring #: AG22-SB213
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By: Julie Williams/Ann Bogucki
Project: Greenwich High School	Northing: 761916.00 Easting: 576741.00	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller:
Start Date: 10/9/2011	Drill Rig Type: Geoprobe	Water Level (ft) 10
Finish Date: 10/9/2011	Method: Direct Push	Total Depth (ft): 15

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
	1.1		SW		0	Yellowish brown, dry, well graded SAND with gravel.	
	0.6		SW-SM			Dark brown, well graded SAND with silt and gravel. Trace brick fragments (wire insulation, white fine material - potentially ash)	
					2		
					4		
			CL			Light grayish brown, dry, sandy lean CLAY with gravel	
60/29			CL			SAA	
	1.2		OL-OH		6	Dark brown, moist ORGANIC SOIL with sand	
			OL-OH			Greenish black, moist, ORGANIC SOIL with sand, very hard, trace organic matter (wood)	
					8		
			SP			Gray, dry, poorly graded SAND with gravel. Medium to coarse sand. Coarse sand is rounded varying in color.	
	0.5		SP/ OL-OH		10	Liner could not be removed from the rod. Upper recovery was the SAA. The lower recovery was Reddish brown, wet ORGANIC SOIL. Refusal at 15' BGS.	
					12		
					14		

Remarks: Boring Terminated (ft): 15

Geoprobe cores are 5' in length

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Boring Log

Boring #: AG21-SB214
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By: Julie Williams/Ann Bogucki
Project: Greenwich High School	Northing: 761874.00 Easting: 576732.00	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller:
Start Date: 10/9/2011	Drill Rig Type: Geoprobe	Water Level (ft) 10
Finish Date: 10/9/2011	Method: Direct Push	Total Depth (ft): 15

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
60/44	1.5		SW		0	Refusal at 4' BGS. Offset 2" north and re-attempted. Refusal at 5" BGS. Offset 2" west. Brown, dry, well graded SAND with gravel.	
	4.9		SW-SM		2, 4	Dark brown, well graded SAND with silt and gravel. Trace fragments of coarse grained gravel size red brick.	
60/60			SW-SM		6	SAA	
	1.4		CL		8	Light brownish gray, dry, sandy lean CLAY with gravel. 2" lens of black poorly graded GRAVEL with sand GP with slight odor at 8' BGS	
			OL-OH		10	Dark brown moist ORGANIC SOIL with gravel	
60/60			OL-OH		12, 14	Dark reddish brown, wet ORGANIC SOIL with sand. Firm consistency.	

Remarks: Boring Terminated (ft): 15

Geoprobe cores are 5' in length

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Boring Log

Boring #: AF22-SB215
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By: Julie Williams/Ann Bogucki
Project: Greenwich High School	Northing: 761917.00 Easting: 576707.00	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller:
Start Date: 10/9/2011	Drill Rig Type: Geoprobe	Water Level (ft) 9
Finish Date: 10/9/2011	Method: Direct Push	Total Depth (ft): 10

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
60/41			SW		0	Yellowish brown, dry, well graded SAND, with gravel.	
	1.3		SW-SM		2, 4	Brown to dark brown, well graded SAND with silt and gravel. Trace fragments of brick, glass, yellowish white material (medium sand in size).	
48/36			SW-SM		6, 8, 10	SAA	

Remarks: Boring Terminated (ft): 10

Geoprobe cores are 5' in length

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Boring Log

Boring #: AG23-SB216
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By: Julie Williams/Ann Bogucki
Project: Greenwich High School	Northing: 761954.00 Easting: 576742.00	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller:
Start Date: 10/9/2011	Drill Rig Type: Geoprobe	Water Level (ft) 12
Finish Date: 10/9/2011	Method: Direct Push	Total Depth (ft): 15

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
60/41	1.2		SW		0	Yellowish brown, dry, well graded SAND with gravel.	
	1.7		SW-SM		2	Dark brown, dry, well graded SAND with silt and gravel. Lense of cobble (crushed by geoprobe). Fill	
			OL-OH		4	Dark brown, moist, ORGANIC SOIL with sand.	
			SW			Brown, dry, well graded SAND with gravel. Loose	
60/41			SW			SAA	
			SP		6	White, dry, poorly graded SAND (coarse SAND).	
			SW		8	Light brownish gray, moist, well graded SAND with gravel. Loose.	
60/50			SW		10	SAA, Wet at ~12' BGS.	
			SW		12		
			SW		14	Yellowish brown with lense of reddish brown oxidation, well graded SAND, with gravel. Fine subrounded gravel. Refusal at 15" BGS.	

Remarks: Boring Terminated (ft): 15

Geoprobe cores are 5' in length

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Boring Log

Boring #: AF24-SB217
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By: Julie Williams/Ann Bogucki
Project: Greenwich High School	Northing: 761995.00 Easting: 576713.00	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller:
Start Date: 10/9/2011	Drill Rig Type: Geoprobe	Water Level (ft) 8.5
Finish Date: 10/9/2011	Method: Direct Push	Total Depth (ft): 9

Sample					Depth (ft)	Soil and Rock Description Classification Scheme: USCS	Lab Sample Collection Depth
Rec (inches)	PID (ppm)	Blow Counts	USCS Code	Graphic			
60/36	0.9		SW		0	Dark brown , well graded SAND with gravel. Trace organic matter.	
			SW		2 4	Yellowish brown, dry, well graded SAND with gravel.	
40/36			SW		6	SAA	
			CL		8	Light brownish gray, moist, sandy lean CLAY with gravel. 2" lense of black oxidized with orange poorly graded medium sand weathered rock.	
			SW			Light brownsh gray, wet, well graded SAND. Loose. Refusal at 9' BGS.	

Remarks: Boring Terminated (ft): 9

Geoprobe cores are 5' in length

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Boring Log

Boring #: AH21A-SB218
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By:
Project: Greenwich High School	Northing: 0.000000 Easting: 0.000000	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller:
Start Date: 11/13/2011	Drill Rig Type:	Water Level (ft)
Finish Date: 11/13/2011	Method: Direct Push	Total Depth (ft): 10

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
12	0		SP		0	Brown, fine to medium SAND, little (10 to 20%) gravel, Top four inches asphalt	
10	0		SM		2	Brown to Gray, fine to medium SAND, little (10 to 20%) fine to medium gravel, some (20 to 35%) silt, little (10 to 20%) clay	
6	0		SP			Brown, fine to medium SAND, some (20 to 35%) gravel, trace (<10%) Brick little concrete	
12	0		SM		4	Gray to Brown, fine SAND, some (20 to 35%) silt, little (10 to 20%) clay, little gray to black ash	
7	0.1		SM		6	Gray to Brown, fine SAND, some (20 to 35%) silt, little (10 to 20%) clay, little (10 to 20%) gravel	
18	0		SM		8	Gray to Brown, fine SAND, some (20 to 35%) silt, little (10 to 20%) clay, some (20 to 35%) fine to coarse gravel, Moist to Wet	
10	0		Pt		10	Dark Brown, PEAT, little (10 to 20%) fine sand, trace (<10%) gravel, Moist	

Remarks: Boring Terminated (ft): 10

Geoprobe cores are 5' in length

AECOM
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Rocky Hill, CT 06067
Phone: 860) 263-5800
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Boring Log

Boring #: AH21B-SB219
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By:
Project: Greenwich High School	Northing: 0.000000 Easting: 0.000000	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller:
Start Date: 11/13/2011	Drill Rig Type:	Water Level (ft)
Finish Date: 11/13/2011	Method: Direct Push	Total Depth (ft): 10

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
14	0		SP		0	Brown to Gray, fine to medium SAND, some (20 to 35%) gravel, little (10 to 20%) silt , Top 4 inches asphalt/pavement	
15	0		SM		2	Brown to Gray, fine to medium SAND, some (20 to 35%) gravel, some (20 to 35%) silt, little (10 to 20%) Concrete	
13	0		SM		4	Brown to Gray, fine SAND, some (20 to 35%) silt, little (10 to 20%) clay, trace (<10%) Brick , little ash	
24	9.5		SM		6	Greenisih Black to Dark Brown, fine to medium SAND, some (20 to 35%) silt, little (10 to 20%) clay, little (10 to 20%) gravel, trace (<10%) Glass , some ash, Ash Odor / PAHs	
30	0.7		SM		8	Brown, fine to medium SAND, little (10 to 20%) gravel, some (20 to 35%) silt, little (10 to 20%) clay, Moist	
					10		

Remarks: Boring Terminated (ft): 10

Geoprobe cores are 5' in length

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Boring Log

Boring #: AH21C-SB220
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By:
Project: Greenwich High School	Northing: 0.000000 Easting: 0.000000	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller:
Start Date: 11/13/2011	Drill Rig Type:	Water Level (ft)
Finish Date: 11/13/2011	Method: Direct Push	Total Depth (ft): 10

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
10	0		SP		0	Brown, fine to medium SAND, little (10 to 20%) gravel, trace (<10%) silt , top 5 inches asphalt	
16	0		SM		2	Gray to Brown, fine to medium SAND, some (20 to 35%) gravel, some (20 to 35%) silt, trace (<10%) clay, trace ash	
16	0		SM		4	Gray to Brown, fine SAND, some (20 to 35%) silt, some (20 to 35%) gravel	
16	0.2		SM		6	Greenisih Black to Brown, fine SAND, some (20 to 35%) silt, some (20 to 35%) fine to coarse gravel, little (10 to 20%) Brick , little ash	
16	0		SM		8	Gray to Brown, fine SAND, some (20 to 35%) gravel, some (20 to 35%) silt	
22	0		SW-SM		10	Light Brown, fine to coarse SAND, little (10 to 20%) gravel, some (20 to 35%) silt, Moist bottom 6 inches	

Remarks: Boring Terminated (ft): 10

Geoprobe cores are 5' in length

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Boring Log

Boring #: AH21D-SB221
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By:
Project: Greenwich High School	Northing: 0.000000 Easting: 0.000000	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller:
Start Date: 11/13/2011	Drill Rig Type:	Water Level (ft)
Finish Date: 11/13/2011	Method: Direct Push	Total Depth (ft): 10

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
10	0		SP		0	Brown, fine to medium SAND, trace (<10%) silt, little (10 to 20%) fine gravel , top 4 inches asphalt	
12	0		SM		2	Gray to Brown, fine to medium SAND, some (20 to 35%) silt, some (20 to 35%) gravel, trace (<10%) clay	
8	0.9		SP		4	Greenisih Black, fine SAND, some (20 to 35%) Wood ,some ash, trace glass, Moist	
8	0.9		SM-SP		6	Gray to Brown, fine SAND, some (20 to 35%) silt, trace (<10%) clay, little (10 to 20%) gravel, little (10 to 20%) ash	
20	0.5		SM		8	Gray to Brown, fine to coarse SAND, little (10 to 20%) gravel, some (20 to 35%) silt, little (10 to 20%) clay, Moist to Wet	
7	0		Pt		10	Dark Brown, PEAT, Moist	

Remarks: Boring Terminated (ft): 10

Geoprobe cores are 5' in length

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Boring Log

Boring #: AH21E-SB222
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By:
Project: Greenwich High School	Northing: 0.000000 Easting: 0.000000	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller:
Start Date: 11/13/2011	Drill Rig Type:	Water Level (ft)
Finish Date: 11/13/2011	Method: Direct Push	Total Depth (ft): 10

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
10	0		SP		0	Brown, fine to medium SAND, some (20 to 35%) gravel, little (10 to 20%) silt, little (10 to 20%) Asphalt	
7	0		SM-SP			Gray to Brown, fine SAND, some (20 to 35%) silt, some (20 to 35%) gravel	
12	0		SM		2 4	Light Gray, coarse GRAVEL Rock Fragments, some (20 to 35%) fine sand, some (20 to 35%) silt	
10	0.9		SM			Gray to Brown, very fine sand, some (20 to 35%) silt, little (10 to 20%) fine gravel, little (10 to 20%) Wood , little ash	
26	0.5		SP-SM		6	Brown, fine SAND, some (20 to 35%) silt, some (20 to 35%) gravel	
16	0		Pt		8 10	Dark Brown, PEAT, some (20 to 35%) silt, little (10 to 20%) sand, little (10 to 20%) clay, Moist	

Remarks: Boring Terminated (ft): 10

Geoprobe cores are 5' in length

AECOM
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Boring Log

Boring #: AH21F-SB223
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By:
Project: Greenwich High School	Northing: 0.000000 Easting: 0.000000	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller:
Start Date: 11/13/2011	Drill Rig Type:	Water Level (ft)
Finish Date: 11/13/2011	Method: Direct Push	Total Depth (ft): 10

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
16	0		SP		0	Brown, fine to medium SAND, some (20 to 35%) gravel, little (10 to 20%) silt , top 5 inches asphalt	
20	0		SP-SM		2, 4	Gray to Brown, fine to medium SAND, some (20 to 35%) silt, some (20 to 35%) gravel, trace (<10%) Wood	
14	0		SP-SM		6	Gray to Brown, fine to medium SAND, some (20 to 35%) silt, some (20 to 35%) gravel	
24	0		Pt		8, 10	Dark Brown, PEAT, trace (<10%) sand, little (10 to 20%) silt, Moist	

Remarks: Boring Terminated (ft): 10

Geoprobe cores are 5' in length

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Boring Log

Boring #: AH21G-SB224
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By:
Project: Greenwich High School	Northing: 0.000000 Easting: 0.000000	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller:
Start Date: 11/13/2011	Drill Rig Type:	Water Level (ft)
Finish Date: 11/13/2011	Method: Direct Push	Total Depth (ft): 10

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
10	0		SP		0	Brown, fine to medium SAND, some (20 to 35%) gravel, little (10 to 20%) silt	
20	0		SM		2	Gray to Brown, fine to medium SAND, some (20 to 35%) gravel rock fragments 2 to 2.5 and 3-3.5, some (20 to 35%) silt, trace (<10%) Brick	
24	0		SM		4	Greenisih Black to Brown, fine SAND, some (20 to 35%) silt, little (10 to 20%) gravel, some (20 to 35%) ash, trace wood	
26	0		SP-SM		6	Brown, fine SAND, some (20 to 35%) silt, little (10 to 20%) gravel	
12	0		Pt		8	Dark Brown, PEAT, some (20 to 35%) fine sand, some (20 to 35%) silt, little (10 to 20%) gravel, Moist	
					10		

Remarks: Boring Terminated (ft): 10

Geoprobe cores are 5' in length

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Boring Log

Boring #: AH21H-SB225
Sheet 1 of 1

Client: Town of Greenwich	Location: Greenwich High School	Logged By:
Project: Greenwich High School	Northing: 0.000000 Easting: 0.000000	Drilling Company: ADT
Project #: 60225155	Ground Elevation (msl):	Driller:
Start Date: 11/13/2011	Drill Rig Type:	Water Level (ft)
Finish Date: 11/13/2011	Method: Direct Push	Total Depth (ft): 10

Sample: Rec (inches)	Sample: PID (ppm)	Sample: Blow Counts	Sample: USCS Code	Sample: Graphic	Depth (ft)	Soil and Rock Description (Classification Scheme: USCS)	Lab Sample Collection Depth
18	0		SP		0	Gray to Brown, fine to medium SAND, some (20 to 35%) gravel, little (10 to 20%) silt top 2 inches asphalt	
20	0		Rocks		2	Light Gray, rock fragments , some (20 to 35%) fine to medium sand, little (10 to 20%) silt, some (20 to 35%) Concrete	
12	0.4		SP		4	Dark Greenisih Black, fine SAND, and (35 to 50%) ash, trace wood and trace glass	
32	0.4		SM		6	Brown, fine SAND, some (20 to 35%) silt, some (20 to 35%) gravel	
4	0.1		SM		8	Gray to Brown, fine SAND, some (20 to 35%) silt, little (10 to 20%) clay, trace (<10%) gravel, trace (<10%) peat at the very bottom	
					10		

Remarks: Boring Terminated (ft): 10

Geoprobe cores are 5' in length

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Appendix C

Written Certification Required Under §761.61(a)(3)(E)

AMY J. SIEBERT, P.E.
COMMISSIONER

DAVID P. THOMPSON, P.E.
DEPUTY COMMISSIONER

Building Inspection
Building Maintenance
Engineering
Highways
Recycling
Sewers
Solid Waste Disposal
Traffic Engineering

DEPARTMENT OF PUBLIC WORKS

January 18, 2012

Kimberly N. Tisa, Region 1 PCB Coordinator
United State Environmental Protection Agency
5 Post Office Square OSRR07-2
Boston, MA 02109-3912

Subject: **Written Certification Required Under §761.61(a)(3)(E)**
Soil Remedial Action Plan
Greenwich High School MISA Phase IIA Construction
Greenwich, Connecticut

Dear Ms. Tisa

I certify that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination within the MISA Construction footprint at the Greenwich High School, are on file at the AECOM offices located at 500 Enterprise Drive, Suite 1A, Rocky Hill, Connecticut, and are available for EPA inspection.

If you have any questions, comments, or concerns you may contact Malcolm Beeler via phone at 860-263-5806 or via email at malcolm.beeler@aecom.com.

Very Truly Yours,

Amy J. Siebert, P.E.
Commissioner of Public Works
Town of Greenwich

cc: J. Ross, MISA Building Committee
S. Chipouras, BOE

Town Hall, 101 Field Point Road, Greenwich, Connecticut 06836-2540

PHONE: (203) 622-7740 FAX NO. (203) 622-3716