PAYNE
ENVIRONMENTAL, LLC

Consulting Engineers and Scientists

PHASE III
ENVIRONMENTAL SITE ASSESSMENT
RIVERSIDE APARTMENTS
OLSON DRIVE
ANSONIA, CONNECTICUT

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Phase III Environmental Site Assessment
Riverside Apartments
Olson Drive
Ansonia, Connecticut

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11/18/2012
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I. INTRODUCTION

1.1 Purpose & Scope

Payne Environmental LLC (PAYNE) was retained by the Ansonia Housing Authority (AHA) to complete a Phase III Environmental Site Assessment (ESA) for the southern portion of the Riverside Apartments located on Olson Drive, Ansonia, Connecticut (the "Site"). The purpose of the Phase III was to further investigate and delineate previously identified release areas.

The Site location is depicted in Figure 1. A site plan is included as Figure 2. The primary objectives of this Phase III ESA were to conduct investigations to define the nature and extent of imported fill material and to provide a basis for making critical decisions regarding conditions that do not comply with the Remediation Standard Regulations (RSRs). The conceptual site model (CSM) will be refined to reflect the fate and transport model associated with previously identified import fill. or strategies for achieving compliance with the RSRs.

The project objectives were achieved by conducting the following site activities:

- Pre-Drilling Tasks & Utility Mark-out, including development of a site-specific Health & Safety Plan (HASP)
- Supplemental Hazardous Materials Testing – collection and analysis of twenty (20) caulk/sealant samples for subsequent analysis for PCBs utilizing the soxhlet method;
- Development of a Soil Sampling and Analysis Plan (SSAP);
- Installation of forty-six (46) surficial soil borings;
- Installation of up to nineteen (19) soil borings to depths up to 12-15 feet below grade utilizing direct-push technology;
- Installation of five (5) deep soil borings utilizing hollow stem auger technology for the subsequent installation of five (5) groundwater monitoring wells;
- Laboratory analysis of soil and groundwater samples for the quantity of COCs listed in the RFP; and
- Preparation of a Phase III ESA Report.

1.2 Site Description

The study site includes the southern parcel and improvements of the Riverside Apartments located at Olson Drive in the City of Ansonia, New Haven County, Connecticut at 41º20'35.34" N latitude and 73º04'54.77" W longitude. This portion of the site is identified in the Ansonia Assessor's Office as parcel 031/05 & 06. The approximately 5-acre parcel is improved with five (5) apartment buildings, one (1)

Service Building and one (1) Community Center. Two (2) apartment buildings were demolished in 2009. Based on historic mapping, it appears that Jersey Street was formerly located between High Street and Lester Street, and the area previously consisted of several smaller residential structures and commercial structures prior to the development of Riverside Apartments. The historical structures were reportedly destroyed in 1955 during the historic Naugatuck River flood.

The residential apartment buildings and maintenance garage were reportedly constructed circa 1960 and the community center building in 1994.

Site utilities are typically fed via underground conduits through a typical central processing plant originating in Building #6, which houses the main boiler room.

- Electric– electrical runs underground. Electrical transformers are located in a vault at the northeast corner of the boiler room building area associated with Building #6.

- Natural Gas– Natural gas is provided to Bldg #6 for three (3) large boilers.

- Sanitary Sewer and Public Water –the Site utilizes municipal sewer and water. The water main enters Building #6, which then supplies water to the other buildings via underground conduits.

- Storm Sewer– Catch basins are located throughout the Site in driveway access areas and parking lot areas and are reportedly connected to a municipal storm water system.

Based on the results of previously performed Phase I ESAs, it was concluded that the Site did not meet the definition of an “establishment” as defined by the Connecticut Transfer Act. It was recommended that legal counsel knowledgeable in environmental law review the Transfer Act and it’s applicability to the Site.

1.3 Project Background

The site has been previously studied, including Phase I ESAs conducted by GeoQuest, Inc. (August 2005), PAYNE (April 2009) and DTC (Sept. 2011). DTC also conducted a Phase II ESA in January 2012.

Based on their completed Phase I ESA, DTC identified and subsequently investigated seven (7) areas of concern (AOCs) at the subject site, as described below:

AOC#	Description	Release Detected
1	Imported Fill Material	Yes
2	Former 24,000-Gallon Heating Oil USTs	No
3	Floor Drains - Boiler Room	No
4	Floor Drains – Service Building	No
5	Existing Transformers	No
6	Hydraulic Trash Compactors	No
7	Former Auto Repair/Wrecking Facilities	No

Based on the findings of the Phase II ESA, DTC concluded that one (1) release area (RA1) was identified and was likely due to sitewide distribution of fill material of unknown quality. DTC recommended the design and implementation of a Phase III ESA to further delineate the degree and extent of contamination associated with the fill material. Constituents of concern (COCs) identified include total extractable petroleum hydrocarbons (ETPH), polyacyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs) and metals (arsenic and lead).

1.4 Regulatory Criteria

Analytical results for the soil and groundwater samples obtained during this investigation were compared to criteria established in the RSRs. These cleanup criteria are used herein as guidance and a standard of care to assess areas of potential on-site contamination and to provide information with which to validate or modify the conceptual site model for the property, which in turn provides for an understanding of the potential risk of impact to human health or the environment from site conditions.

This objective is addressed in part by comparing the results of soil and groundwater sample analysis with applicable RSR criteria. The RSRs provide different remediation target criteria for constituents based primarily on the variables of (1) groundwater classification beneath and in the area of the property, and (2) whether the property is dedicated to residential or industrial/commercial use.

Groundwater in the general vicinity of the subject site is classified by CTDEEP as GA groundwater. The GA classification is defined by CTDEEP as groundwater within the area of private water supply wells or an area with the potential to provide water to public or private supply wells. The CTDEEP presumes that groundwater in a GA area is, at a minimum, suitable for drinking or other domestic uses without treatment.

Section 22a-133k-2 of the RSRs establishes two (2) criteria for soil:

- Direct Exposure Criteria (DEC) that seek to protect humans from potential risks associated with direct exposure to contaminated soils; and

- Pollutant Mobility Criteria (PMC) that are designed to protect groundwater from contaminants that may leach from soil to the groundwater.

Section 22a-133k-3 of the RSRs establishes three (3) criteria for groundwater in GA-classified areas:

- Surface Water Protection Criteria (SWPC) that seek to ensure that polluted groundwater does not adversely affect surface water quality or prevent the attainment of surface water quality criteria;
- Groundwater Volatilization Criteria (GWVC) that are designed to ensure that human health is not adversely affected from inhalation of volatile pollutants that have entered or may enter a building or structure as a result of volatile contaminants in the underlying groundwater; and
- Groundwater Protection Criteria (GWPC) that seek to protect and preserve groundwater as a natural resource, to protect existing uses of groundwater, and to prevent further degradation of groundwater quality.

Soil and groundwater sample results are compared to the current RSRs. The RSRs provide a set of criteria that soil and groundwater characteristics must meet for a given land use or for a groundwater or surface water classification. If any of the criteria are not met, soil and/or groundwater remediation may be required at the Site to achieve compliance with the appropriate criteria levels. The applicable criteria utilized for the Site include:

- Residential Direct Exposure Criteria (Res. DEC) for soil;
- Pollutant Mobility Criteria for soil located in a GA groundwater area (GA-PMC);
- Surface Water Protection Criteria (SWPC) for groundwater;
- Residential Groundwater Volatilization Criteria (Res. GWVC) for groundwater; and
- Groundwater Protection Criteria (GWPC).

This investigation assumes the less stringent I/C DEC and I/C GWVC are not applicable to the Site.

1.5 Constituents of Concern

Constituents of Concern (COCs) for the Site are related to historic imported fill and include: volatile organic compounds (VOCs – groundwater only), semi-volatile organic compounds (SVOCs), metals (lead and arsenic), polychlorinated biphenyls (PCBs) and extractable total petroleum hydrocarbons (ETPH).

II. SITE GEOLOGY AND HYDROGEOLOGY

2.1 Topography

The Site is located at an elevation of approximately 35 feet above sea level (National Geodetic Vertical Datum of 1929). The topography of the Site generally slopes downward from the west to the east towards Olson Drive and the Naugatuck River.

2.2 Bedrock Geology

The Site is located within the Iapetos, Connecticut Valley Synclinorium. The subsurface geology at the subject Site is reported to be gray to spotted, medium to coarse grained, foliated gneiss. Bedrock was not encountered during the investigation.

2.3 Surficial Geology

Soils in this area generally are classified as urban land. This map unit consists of areas where urban structures cover more than 85 percent of the surface and the map unit is predominantly artificial fill and Udorthents, which are well drained to excessively drained soils mainly near urban areas.

Based on the findings of the Phase III study, the site is overlain with two (2) distinct fill layers. The upper layer, generally observed to range in 2-12 feet in thickness, consists of a light-medium brown sandy fill layer with varying percentages of silt and gravel. This upper fill layer is underlain with a darker sandy fill material, consisting of ash, coal, brick, glass, asphalt, plastic and concrete. The thickness of this fill layer ranges from 2-8 feet.

Natural brown fine-to-coarse sand with cobbles and gravel are encountered below the fill layers, at depths typically ranging from 6-20 feet below ground surface.

2.4 Groundwater Classification and Flow Direction

Groundwater in the general vicinity of the subject site is classified by CTDEEP as GA groundwater. The GA classification is defined by CTDEEP as groundwater within the area of private water supply wells or an area with the potential to provide water to public or private supply wells. The CTDEEP presumes that groundwater in a GA area is, at a minimum, suitable for drinking or other domestic uses without treatment.

The groundwater flow direction based on surface topography and monitoring well data, is inferred to be generally east/southeast towards the Naugatuck River, which is located within 100 feet of the Site to the east. Depth to groundwater at the Site was observed to be approximately 20 feet below ground surface.

2.5 Surface Water Classification & Flow Direction

The Site is located in the Naugatuck River Sub Regional Basin of the Naugatuck Complex, which is tributary to the Housatonic. The nearest natural surface The water body is the Naugatuck River, essentially abutting the property easterly (Figure 1).

According to the CTDEEP, the surface water quality of the Naugatuck River classified as B. Class B surface waters are not potential drinking water supplies; however, designated uses include fish and wildlife habitat, recreational uses, agricultural and industrial supply, and other legitimate uses including navigation.

III. PHASE III INVESTIGATION ACTIVITIES

3.1 Overview

Subsurface investigations were conducted at to evaluate the degree and extent of artificial fill and included the installation of 19 deep soil borings, 46 shallow soil samples and the subsequent installation of five (5) groundwater monitoring wells. Sample locations are depicted in Figures 3 and 4. In addition, twenty (20) caulk/sealant samples were collected from exterior areas of the site structures to evaluate the potential for polychlorinated biphenyls.

3.2 Pre-Exploration Activities

Pre-exploration activities included one site inspection and a request to Call-Before-You-Dig (#2012-3202468) for underground utility clearance. Clearance was given for water, sewer, electric, natural gas, electric, cable and telephone utilities. Boring locations were marked prior to the start of drilling activities on the day of the sampling and were determined in the field by measuring from fixed locations.

3.3 Drilling & Monitoring Well Installation

In order to evaluate the artificial fill layer as part of this Phase III investigation, the following explorations were conducted at the Site:

- Nineteen (19) soil borings (SB-15 through SB-33)
- Forty-six (46) shallow soil borings (HA-1 through HA-46)
- Five (5) groundwater monitoring wells (MW-1 through MW-5)

Drilling and monitoring well installation were performed on August 16, 2012 and August 17, 2012. Shallow soil samples were collected on August 22, 2012 and August 25, 2012.

Boring locations were marked prior to the start of drilling activities. Figures 3, 4 and 5 present soil boring, sample location and groundwater monitoring well locations, respectively. Sample locations were determined in the field by measuring from fixed locations.

There was no deviation from standard soil boring and monitoring well installation protocols. Soil borings were completed using direct-push techniques for soil collection and monitoring well installation. Soil was collected in 4-foot long “macrocore” sample tubes equipped with acrylic liners. This allowed the PAYNE geologists to describe

relatively undisturbed soil core, screen the soil, and collect soil samples for laboratory analysis from each direct-push boring. Monitoring wells were installed using a hollow-stem auger drill rig.

Shallow soil samples were collected utilizing standard hand-auger techniques. Caulk/sealants samples were collected utilizing standard sampling tools (chisels, hammers, utility knives, etc…).

All soil boring, soil sampling and caulk/sealant sampling activities and monitoring well installations were performed using clean and decontaminated equipment at each location. Five (5) soil borings were subsequently converted to groundwater monitoring wells (MW-1 through MW-5). These wells were constructed of two-inch diameter, threaded, flush-jointed, polyvinyl chloride (PVC) well casing with slotted PVC screen (No. 10 screen). The bottom of each well was positioned to intercept the water table to capture any floating product and allow for seasonal fluctuations in water levels.

The annular space surrounding the well screen was filled with No. 1 Ottawa sand to an elevation one to two feet above the top of the screen. Above the sand, a bentonite seal was placed to seal the well from formation above. Auger flight cuttings were used to backfill the remainder of the annular space. Finally, a concrete collar was poured around a flush-mounted, protective steel case with a locking cap to secure the well. Subsequent to well installation, each well was developed by drilling personnel to reduce water turbidity and remove other debris that may have entered the wells during installation. Wells were installed to depths of approximately 27-30 feet below grade.

Soil boring logs are provided in Attachment C of this report. Sample parameter lists for groundwater samples and soil samples are summarized in Table 1. Well construction details are summarized in Table 2.

3.4 Groundwater Elevation Survey

PAYNE measured depth to groundwater and surveyed the elevation of monitoring wells on August 22, 2012. The groundwater elevation of the monitoring well was measured from the top of the well casing. Groundwater depth was determined using a groundwater level indicator to determine the depth to groundwater from the top of the monitoring well. A mark was made on the top of the well casing and used as the point of measurement to ensure consistent water level and elevation measurements. Well elevations and locations were surveyed and referenced to elevations of previously installed wells. Groundwater elevations were determined by subtracting the groundwater depth below the ground surface from the well elevation. Data produced was used to produce contour maps of water table elevations and to evaluate horizontal hydraulic gradients within the overburden aquifer.

Depth to groundwater ranged from 19.30 feet below top of casing in MW-1 to 23.00 feet

below top of casing in MW-3. Based upon the gauging data, groundwater in the shallow aquifer appears to be flowing in an easterly/southeasterly direction with an approximate horizontal gradient of 0.004 ft/ft.

PAYNE assumed that the hydraulic conductivity of the sand and fill deposits at the Site is approximately 0.01 cm/sec. Utilizing the hydraulic gradient noted above and approximate porosity of the formation of 0.3, PAYNE calculated a groundwater flow velocity of approximately 1.2 ft. per day.

Well completion details and elevations are provided in Tables 2 and 3, respectively. A groundwater contour plan is depicted on Figure 5 (Attachment A).

3.5 Soil and Caulk/Sealant Sampling & Analysis

Soil samples were collected at continuous intervals for all borings installed. The physical description of soils was recorded at each sample location in addition to relative density of soils using standard penetration methods (ASTM D 1586-76). Soil samples from each four-foot interval at each location were collected in appropriate glassware and immediately placed in a cooler at 4°C. Soil gas vapor screening was conducted to assist in soil sample selection for laboratory analysis.

Soil boring logs are provided in Attachment C. A total of ninety (90) soil samples were submitted for one or more of the following laboratory analyses:

- total extractable petroleum hydrocarbons (CTDEEP Method)
- polyacyclic aromatic hydrocarbons (Method 8270D)
- lead and arsenic by mass analysis, SPLP (Method 6010C)
- polychlorinated biphenyls (PCBs – Method 8082A)

Caulk/sealant samples were collected from exterior source areas (i.e. window caulk, expansion joints, etc…) on existing structures on August 22 and 25, 2012. Samples were weighed and placed within amber glass containers and subsequently stored on ice prior to transport to the laboratory. Caulk/sealants samples were subsequently analyzed for PCBs utilizing the soxhlet extraction method.

The soil and sealant samples were delivered to Spectrum Analytical, Inc. of Agawam, MA for analysis. Spectrum is a Connecticut State-certified laboratory (CT# PH-0777).

3.6 Groundwater Sampling & Analysis

PAYNE personnel conducted groundwater sampling on August 22, 2012 utilizing low-flow sampling techniques. Prior to sampling, field measurements were made of the

depth to groundwater surface and total depth of each overburden well. The measurement instrument (Solonist Model 101) was decontaminated with deionized, distilled water before introduction into each well.

Following field measurements and well purging, groundwater samples were collected after recording consistent field measurements of pH, conductivity, turbidity, dissolved oxygen and temperature. Field measurements were obtained with a Horiba U-22 water quality meter equipped with a Solonist U-22 flow cell.

A total of five (5) unfiltered groundwater samples were collected, stored in laboratory-supplied glassware and submitted for laboratory analysis for volatile organic compounds (USEPA Method 8260C), semi-volatile organic compounds (USEPA Method 8270D), total extractable petroleum hydrocarbons (CTDEEP Method) and total lead/arsenic (Method 6010C). The samples, including trip blank, were delivered to Spectrum Analytical, Inc. of Agawam, MA for analysis. Spectrum is a Connecticut State-certified laboratory (CT# PH-0777).

3.7 Data Quality Objectives

PAYNE reviewed the QA/QC data associated with the laboratory analyses conducted on all soil and groundwater samples. Data validation consisted of evaluating the following items:

- Sample holding times
- Field, trip and/or laboratory blanks
- Field duplicate results
- Laboratory duplicate results
- Matrix spike/matrix spike duplicate results
- Laboratory control spike recoveries
- Surrogate spike recoveries

Although there were instances of non-compliance with the Reasonable Confidence Protocol (RCP), overall these non-compliance issues were minor and few. As a result, the analytical data were deemed adequate and usable for the intended purpose.

IV. PHASE III INVESTIGATION ANALYTICAL RESULTS

4.1 Overview

The Phase III Investigation included the laboratory analysis of 90 soil and 5 groundwater samples and appropriate QA/QC samples. A summary of the Phase III Investigation field activities including: area descriptions, sample dates, methods of investigation, number of sampling locations, depths, media, number of samples, sample identifications, and parameters has been described in the previous sections.

Soil borings and shallow soil samples were installed to define the three-dimensional extent and distribution of substances associated with the fill material located on site. Groundwater samples were collected from on-site monitoring wells. Samples were analyzed for parameters as presented in Table 1.

4.2 Soil Analytical Results

A summary of analytical results for constituents detected in soil is presented in Table 4. Soil analytical results were compared to the Res. DEC and GA-PMC of the RSRs, as described in Section 1.4 above. The laboratory analytical reports for soil samples analyzed during this investigation are included as Attachment D to this report.

The analytical results of the Phase III soil investigation are detailed in the following subsections below.

It is likely that artificial fill was introduced to the Site as part of the site development in the late 1950s and early 1960s, as a result of the great flood of 1955. Soil samples were collected and analyzed for COCs typically associated with artificial fill (total and leachable lead/arsenic, PCBs, PAHs and ETPH).

PAHs

Results of laboratory analyses revealed detected concentrations of PAHs in 19 of 22 samples, with six (6) samples exceeding RDEC and/or GAPMC criteria.

Metals

Results of laboratory analyses revealed detected concentrations of lead in all 90 samples, with 12 samples exceeding RDEC. Results of laboratory analyses revealed detected concentrations of arsenic in 84 of 90 samples, with 12 samples exceeding RDEC.

Four (4) soil samples demonstrating elevated lead and arsenic concentrations by mass analysis were subsequently analyzed by the SPLP method (Method 1312/6000 series)

to evaluate the potential for leaching into groundwater. Samples SB-26 (10-12'), SB-30 (7-9'), B-2/MW-1 (5-7') and HA-25 were selected for subsequent SPLP analysis. Results of SPLP analysis on these samples revealed no detectable leachable lead or arsenic in any of the samples within laboratory method detection limits. The only exception was sample SB-26 (10-12'), which had a detected leachable lead concentration of 0.0382 mg/L, which exceeds the GAPMC of 0.015 mg/L established for lead.

PCBs

Results of laboratory analyses revealed detected concentrations of PCBs in 46 of 90 samples, with two (2) samples (SB-20 and B-3/MW-3) just exceeding RDEC and/or GAPMC criteria.

ETPH

Results of laboratory analyses revealed detected concentrations of ETPH in 28 of 31 samples, with four (4) samples exceeding RDEC and/or GAPMC criteria. Most detections were associated with high molecular weight hydrocarbons, most likely PAHs.

4.3 Caulk/Sealant Analytical Results

A summary of analytical results for constituents detected in sealants is presented in Table 6. The laboratory analytical reports for sealant samples analyzed during this investigation are included as Attachment D to this report.

PCBs were observed above laboratory detection limits in 14 of 20 caulk/sealant samples, typically ranging in concentrations from trace levels to a high of 7 mg/kg. All were observed to be well below the EPA threshold of 50 mg/kg.

4.4 Groundwater Analytical Results

A summary of analytical results for analytes detected in groundwater is presented in Table 5. Groundwater analytical results were compared to the SWPC, RVC and GWPC of the RSRs, as described in Section 1.4 above. The laboratory analytical reports for groundwater samples analyzed during this investigation are included as Attachment D to this report.

Groundwater samples were collected in one sampling event of sampling, conducted on August 22, 2012.

4.4.1 Petroleum Hydrocarbons

ETPH was detected above laboratory reporting limits for 1 of 5 groundwater samples submitted for analysis. ETPH was detected in well sample MW-1 (0.5 mg/L) ETPH detection in this sample exceeds the GWPC of 0.1 mg/L.

According to the laboratory report, the detection is associated with high molecular weight hydrocarbons, most likely PAHs.

4.4.2 Volatile Organic Compounds

VOCs were not detected above laboratory reporting limits in 3 of 5 groundwater samples submitted for analysis. Trace chloroform was detected in wells MW-3 and MW-4 at concentrations of 3.19 ug/L and 9.94 ug/L, respectively. The detection of chloroform in well MW-4 exceeds the GWPC of 6 ug/L.

Detections of chloroform in groundwater in highly urbanized areas is common and likely attributable to infiltration of treated municipal water from leaking water mains.

4.4.3 Metals

Lead and arsenic were not detected in any of the 5 samples submitted for analyses, within laboratory method detection limits.

4.4.4 PAHs

One or more PAH constituents were detected in 4 of 5 groundwater samples, with 3 samples observed to exceed the SWPC of 0.077 mg/L established for phenanthrene.

4.5 Quality Assurance/Quality Control

As noted earlier, no significant data quality issues were noted in the laboratory reports regarding internal laboratory QA/QC, and field/laboratory QA/QC sampling results were found to meet the project data quality objectives. The results of the QA/QC analysis indicate that the samples collected and the associated analytical data is representative of the media sampled, and is useable in supporting conclusions with respect to the nature and extent of the contaminants at the Site.

V. UPDATED CONCEPTUAL SITE MODEL

This section presents a Conceptual Site Model (CSM) based on the results of the site investigation activities and information reviewed to date. The CSM addresses the 10 topics outlined in the CTDEEP Site Characterization Guidance Document.

5.1 Potential Release Areas

There were previously seven (7) AOCs on the Site identified during the completion of a Phase I ESA and Phase II ESA. One (1) release area associated with artificial was subsequently identified, based on the results of those investigations.

This Phase III ESA focused on establishing the three-dimensional extent and distribution of substances within this release area. Results of the investigation revealed that the Site's surficial geology is comprised of two (2) upper fill layers overlying native glacial deposits (see soil cross-section in Figure 9).

The upper layer, generally observed to range in 2-12 feet in thickness, consists of a light-medium brown sandy fill layer with varying percentages of silt and gravel. Most detected COCs within this layer meet the definition of polluted soil and polluted fill; however, detected COCs generally are less than applicable RSR criteria (see Figure 6). The quantity of this fill layer is estimated to be approximately 64,000 cubic yards.

The upper fill layer is underlain with a darker sandy fill material, consisting of ash, coal, brick, glass, asphalt, plastic and concrete. The thickness of this fill layer ranges from 2-8 feet. Most detected COCs within this layer meet the definition of polluted soil and polluted fill; however, detected COCs generally exceed applicable RSR criteria (see Figure 7 and Figure 8). The quantity of this fill layer is estimated to be approximately 48,000 cubic yards.

Natural brown fine-to-coarse sand with cobbles and gravel are encountered below the fill layers, at depths typically ranging from 6-20 feet below ground surface.

5.2 Constituents of Concern

The Site has undergone significant filling since the mid-1950s and back to the time of site development. COCs include ETPH, lead, arsenic, PAHs and PCBs. The distribution of COCs is fairly uniform in each fill layer, with higher concentrations observed in the lower fill layer, which contains a significant quantity of ash and other manmade rubble.

Generally, lead, arsenic, ETPH and PCBs were observed in a significant number of soil samples; however, most were well below respective RSR criteria. PAH detections were primarily observed in the lower ash-containing fill layer.

5.3 Nature of Release

The Release Area associated with the historic fill was likely the result of site development/redevelopment and the need for fill for site grading after the flood of 1955. The sources of fill utilized at the Site were not identified as part of this investigation; however, the nature of contaminants identified in historic fill are typical of those observed in urban fill tested at other sites within Ansonia and other municipalities.

No other Release Areas or Potential Release Areas have been identified at the Site.

5.4 Release Mechanism & Migration Pathway

The presence of elevated metals, PAHs, PCBs and ETPH in urban/historic fill was observed primarily in the lower fill layer. The same COCs are present in the upper polluted fill layer at much lower concentrations.

Results of SPLP soil testing revealed that lead present within the lower fill layer has the potential to leach into the watertable at concentrations exceeding the GWPC. However, the Site is served by municipal supplied water and on-site groundwater is not utilized for human consumption or irrigation.

Results of groundwater testing revealed no detectable lead in groundwater, indicating that actual conditions at the Site revealed that the mobility of lead through the soil may be very limited and, hence, may not reflect laboratory data.

No other Release Areas or Potential Release Areas have been identified at the Site.

5.5 Environmental Setting Into Which Release Occurred

The Site is located at an elevation of approximately 34 feet above sea level (National Geodetic Vertical Datum of 1929). The topography of the Site generally slopes downward from the west to the east.

Groundwater in the general vicinity of the subject Site is classified by CTDEEP as GA groundwater. The GA classification is defined by CTDEEP as groundwater within the area of private water supply wells or an area with the potential to provide water to public or private supply wells. The CTDEEP presumes that groundwater in a GA area is, at a minimum, suitable for drinking or other domestic uses without treatment.

Depth to groundwater ranged from 19.30 feet below top of casing in MW-1 to 23.00 feet below top of casing in MW-3. Based upon the gauging data, groundwater in the shallow aquifer appears to be flowing in an easterly/southeasterly direction with an approximate horizontal gradient of 0.004 ft/ft.

PAYNE assumed that the hydraulic conductivity of the sand and fill deposits at the Site is approximately 0.01 cm/sec. Utilizing the hydraulic gradient noted above and approximate porosity of the formation of 0.3, PAYNE calculated a groundwater flow velocity of approximately 1.2 ft. per day.

Groundwater discharges to the Naugatuck River, located within 100 feet of the Site to the east. Phenanthrene was the only COC detected in groundwater which exceeded it's SWPC. The average concentration of phenanthrene in groundwater was observed to be less than two times the SWPC.

5.6 Characteristics of Subsurface Materials

Subsurface materials consisted of artificial sandy fill of varying thickness overlying native glacial deposits. Manmade fragments detected in the deeper fill layer generally consisted of ash, coal, glass, brick, concrete, ceramics and wood. There was no visual evidence of industrial wastes, oils, solvents, etc….

5.7 Stratigraphic Considerations

The Site is located within the Iapetos, Connecticut Valley Synclinorium. The subsurface geology at the subject Site is reported to be gray to spotted, medium to coarse grained, foliated gneiss. Bedrock was not encountered during the investigation.

Results of the field investigation revealed that the Site's surficial geology is comprised of two (2) upper fill layers overlying native glacial deposits (see soil cross-section in Figure 9).

The upper layer, generally observed to range in 2-12 feet in thickness, consists of a light-medium brown sandy fill layer with varying percentages of silt and gravel. Most detected COCs within this layer meet the definition of polluted soil and polluted fill; however, detected COCs generally are less than applicable RSR criteria (see Figure 6). The quantity of this fill layer is estimated to be approximately 64,000 cubic yards.

The upper fill layer is underlain with a darker sandy fill material, consisting of ash, coal, brick, glass, asphalt, plastic and concrete. The thickness of this fill layer ranges from 2-8 feet. Most detected COCs within this layer meet the definition of polluted soil and polluted fill; however, detected COCs generally exceed applicable RSR criteria (see Figure 7 and Figure 8). The quantity of this fill layer is estimated to be approximately

48,000 cubic yards.

Natural brown fine-to-coarse sand with cobbles and gravel are encountered below the fill layers, at depths typically ranging from 6-20 feet below ground surface.

5.8 Fate & Transport Characteristics of Substances Released

Metals, PCBs, ETPH and PAH constituents observed in the fill layers are relatively low in concentration. Minor leaching was observed for lead only. Significant COC detections were observed in the lower fill layer, as discussed above.

Groundwater at the site is assumed to predominately flow towards the Naugatuck River located east of the Site.

Based on the data obtained in this investigation, detected COCs are relatively immobile and would only be of a concern if encountered through considerable excavation effort.

5.9 Potential Receptors

Potential receptors associated with any soil contamination at the subject Site are on-site workers that may have cause to disturb the soils. Potential receptors for groundwater contamination include on-site workers who are exposed to the groundwater for any reason, and the Naugatuck River, located downgradient and east of the Site.

5.10 Potential Pathways to Receptors

The following are potential receptor pathways:

- Dermal and ingestion of petroleum, PCB, lead, arsenic and PAH contaminated soil;
- Potential discharge of contaminated groundwater to the Naugatuck River.

VI. FINDINGS AND CONCLUSIONS

6.1 Findings

The study site includes the southern parcel and improvements of the Riverside Apartments located at Olson Drive in the City of Ansonia, New Haven County, Connecticut at 41º20'35.34" N latitude and 73º04'54.77" W longitude. This portion of the site is identified in the Ansonia Assessor's Office as parcel 031/05 & 06. The approximately 5-acre parcel is improved with five (5) apartment buildings, one (1) Service Building and one (1) Community Center. Two (2) apartment buildings were demolished in 2009. The historical structures were reportedly destroyed in 1955 during the historic Naugatuck River flood.

The Site has undergone significant filling since the mid-1950s and back to the time of site development. COCs include ETPH, lead, arsenic, PAHs and PCBs. The distribution of COCs is fairly uniform in each fill layer, with higher concentrations observed in the lower fill layer, which contains a significant quantity of ash and other manmade rubble.

This Phase III ESA focused on establishing the three-dimensional extent and distribution of substances within this release area. Generally, lead, arsenic, ETPH and PCBs were observed in a significant number of soil samples; however, most were well below respective RSR criteria. PAH detections were primarily observed in the lower ash-containing fill layer.

Results of the investigation revealed that the Site's surficial geology is comprised of two (2) upper fill layers overlying native glacial deposits (see soil cross-section in Figure 9).

The upper layer, generally observed to range in 2-12 feet in thickness, consists of a light-medium brown sandy fill layer with varying percentages of silt and gravel. Most detected COCs within this layer meet the definition of polluted soil and polluted fill; however, detected COCs generally are less than applicable RSR criteria (see Figure 6). The quantity of this fill layer is estimated to be approximately 64,000 cubic yards.

The upper fill layer is underlain with a darker sandy fill material, consisting of ash, coal, brick, glass, asphalt, plastic and concrete. The thickness of this fill layer ranges from 2-8 feet. Most detected COCs within this layer meet the definition of polluted soil and polluted fill; however, detected COCs generally exceed applicable RSR criteria (see Figure 7 and Figure 8). The quantity of this fill layer is estimated to be approximately 48,000 cubic yards.

Natural brown fine-to-coarse sand with cobbles and gravel are encountered below the fill layers, at depths typically ranging from 6-20 feet below ground surface.

The presence of elevated metals, PAHs, PCBs and ETPH in urban/historic fill was observed primarily in the lower fill layer. The same COCs are present in the upper polluted fill layer at much lower concentrations.

Results of SPLP soil testing revealed that lead present within the lower fill layer has the potential to leach into the watertable at concentrations exceeding the GWPC. However, the Site is served by municipal supplied water and on-site groundwater is not utilized for human consumption or irrigation.

Results of groundwater testing revealed no detectable lead in groundwater, indicating that actual conditions at the Site revealed that the mobility of lead through the soil may be very limited and, hence, may not reflect laboratory data. Groundwater discharges to the Naugatuck River, located within 100 feet of the Site to the east. Phenanthrene was the only COC detected in groundwater which exceeded it's SWPC. The average concentration of phenanthrene in groundwater was observed to be less than two times the SWPC.

No significant PCB detections were observed in caulk/sealant samples collected from several exterior building components. All were observed to be well below the EPA threshold of 50 mg/kg, but will have to be address at the state level if the buildings undergo demolition.

6.2 Conclusions

The data from Phase III testing indicated that petroleum hydrocarbons, lead, arsenic, PCBs and PAHs were present in deeper fill materials at concentrations above applicable RSR criteria.

Remediation of the fill areas is not warranted at this time. If these areas are to be disturbed in the future (i.e. building demolition, site development, grading, excavation, etc…) then appropriate measures should be developed in the form of a Remedial Action Plan with subsequent implementation prior to disturbing these soils.

Based on planned redevelopment of the Site, a Remedial Action Plan will be developed under separate cover which will address potential remedial options and subsequent costs associated with each remedy.

VII. LIMITATIONS

1. The observations described in this report were made under the conditions stated herein. The conclusions presented in this report were based solely upon the services described herein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the Client.

2. In preparing this report, PAYNE as relied on certain information provided by state and local officials and other parties referenced herein, and on information contained in the files of state and/or local agencies available to us at the time of the site assessment. Although there may have been some degree of overlap in the information provided by these various sources, we did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.

3. Should additional information on environmental conditions at the site, which is not contained in the report, be obtained, such information should be brought to PAYNE's attention. We will evaluate such information and, on basis of our evaluation, may modify the conclusions stated in this report.

4. Observations were made of the site and of the exterior of the structures on the site as indicated within the report. Where access to portions of the site or to the structures on the site was unavailable or limited, PAYNE renders no opinion as to the presence of hazardous materials or oil, or to the presence of indirect evidence relating to hazardous materials or oil in that portion of the site or structure. In addition, PAYNE renders no opinion as to the presence of hazardous materials or oil, or the presence of indirect evidence relating to hazardous materials or oil where direct observation of the interior walls, floor or ceiling of the structure was obstructed by objects or coverings on or over these surfaces.

5. Unless otherwise specified in the report, PAYNE did not perform testing or analyses to determine the presence or concentration of asbestos, lead paint, polychlorinated biphenyls (PCBs), radon or other naturally occurring materials at the site or in the environment at the site.

6. No specific attempt was made to check the compliance of present or past owners or operators of the site with federal, state or local laws and regulations, environmental or otherwise.

7. The conclusions and recommendations described in this report are based in part on the data obtained from a limited number of soil samples obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further investigation and/or

remediation is initiated. If variations or other latent conditions then appear evident, it will be necessary to re-evaluate the conclusions and recommendations of this report.

8. Water level observations have been made in the monitoring wells at times and under conditions stated within the text of the report and indicated on exploration logs. Note that fluctuations in the level of the groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time observations were made.

9. Quantitative laboratory analyses were performed as part of the investigation as noted within this report. The analyses were performed for specific parameters that were selected during the course of this study. It must be noted that additional compounds not searched for during the current study may be present in the soil, soil vapor and/or groundwater at the site. PAYNE has relied upon the data provided by the analytical laboratory, and has not conducted an independent evaluation of the reliability of these data. Moreover, it should be noted that distributions within the groundwater, soil vapor and soil might occur due to the passage of time, seasonal water table fluctuations, recharge events, and other factors.

10. The conclusions and recommendations contained in this report are based in part upon various types of chemical data. While PAYNE has reviewed the data and information as stated in this report, any of PAYNE's interpretations, conclusions and recommendations that have relied on that information will be contingent on its validity. Should additional chemical data, historical information or hydrogeological information become available in the future, such information should be reviewed by PAYNE and the interpretations, conclusions and recommendations presented herein should be modified accordingly.

11. The report has been prepared for the exclusive use of the Ansonia Housing Authority & the Housing Authority of New Haven for the specific application of the property known as the Riverside Apartments located on Olson Drive, Ansonia, Connecticut in accordance with prevailing standards and the requirements of Connecticut Department of Energy & Environmental Protection (DEEP) RSRs and the *Site Characterization Guidance Document.* No person or other body shall be entitled to rely upon or use information presented in this report without written consent of PAYNE Environmental LLC.

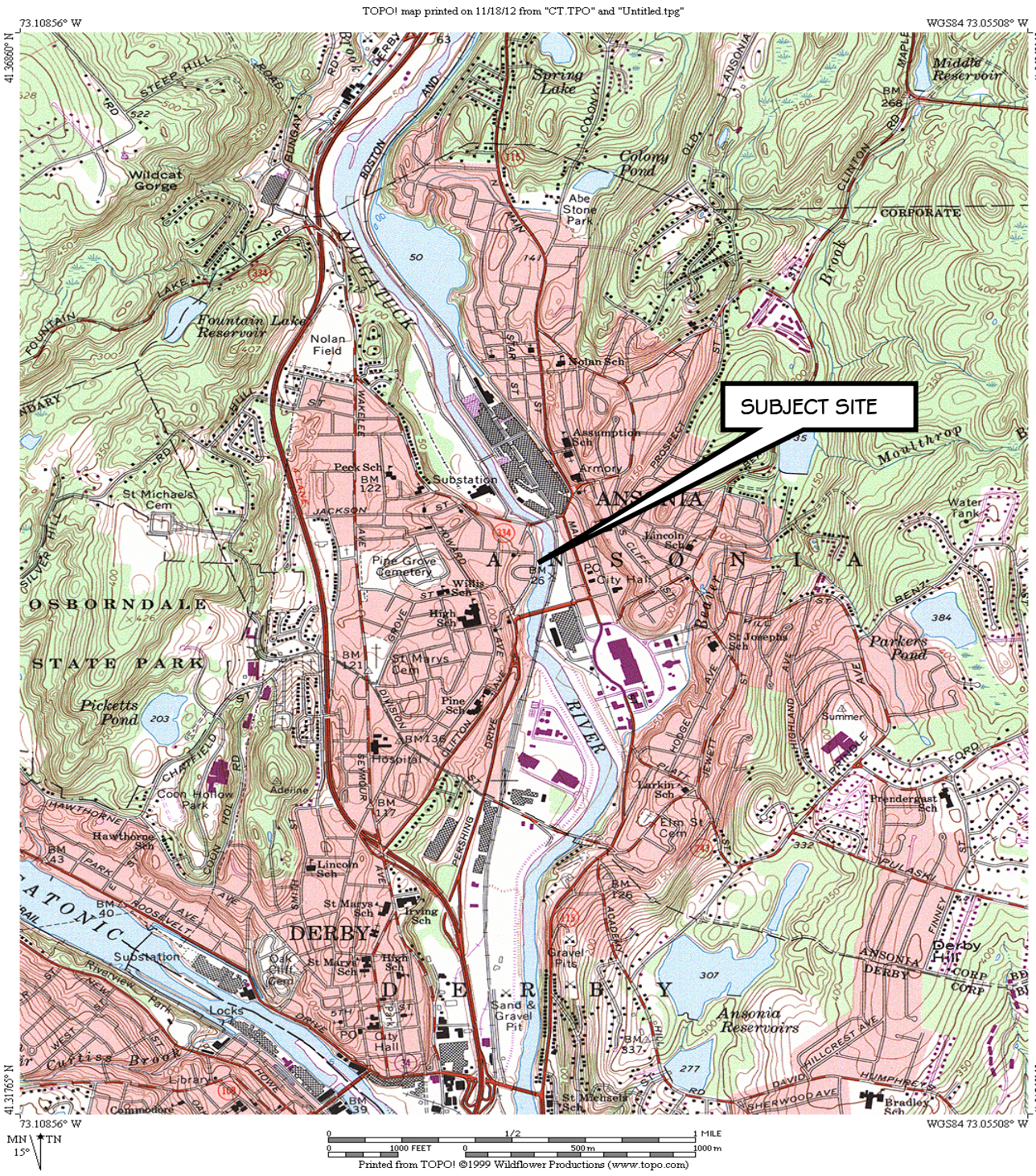
12. The analyses and recommendations contained in this report are based on the data obtained from the referenced subsurface explorations. The explorations indicate subsurface conditions only at the specific locations and times, and only to the depths penetrated. They do not necessarily reflect strata variations that may exist between such locations.

13. In the event that any changes in the nature, design, or location of the facilities are planned, the conclusions and recommendations contained in this report should not be considered valid unless the changes are reviewed and conclusions of this report modified or verified in writing by PAYNE. PAYNE is not responsible for any claims, damages or liability associated with interpretation of subsurface data or re-use of the subsurface data or engineering analyses without the express written authorization of PAYNE.

14. In performing this site assessment, PAYNE has endeavored to conform with generally accepted practices of other consultants undertaking similar studies at the same time and in the same geographical area. PAYNE has attempted to observe a degree of care and skill generally exercised by the technical community under similar circumstances and conditions. PAYNE's findings and conclusions must be considered probabilities based on professional judgment concerning the significance of the limited data gathered during the course of the site assessment.

ATTACHMENT A

FIGURES



BASE MAP SOURCE:
USGS 7.5 MINUTE SERIES
TOPOGRAPHIC MAP.
ANSONIA QUADRANGLE MAP
1964; REVISED 1984

FIGURE 1:
SITE LOCATION MAP
RIVERSIDE APARTMENTS
ANSONIA, CONNECTICUT

12.110/001

Payne Environmental, LLC

MAC-DATE

LESTER STREET

BASKETBALL COURT

COMMUNITY BUILDING

ELECTRIC

WATER

PARKING

FORMER BUILDING #1

FORMER SANITARY

FORMER BUILDING #2

DUMPSTER COMPACTOR

BASKETBALL COURT

FORMER LOCATION OF 24,000 GALLON FUEL OIL UST's

PLAYGROUND AREA

BUILDING #3

BUILDING #4

COURTYARD

BUILDING #5

SANITARY

GAS METER

GAS

BOILERS

HOT WATER HEATER

ELECTRIC

TRANSFORMERS

WATER

BUILDING #6

DUMPSTER COMPACTOR

SERVICE BUILDING

BUILDING #7

PLAYGROUND AREA

HIGH STREET

OLSON DRIVE

APPROXIMATE LOCATION OF UNDERGROUND CHANNEL

LEGEND

PROPERTY LINE

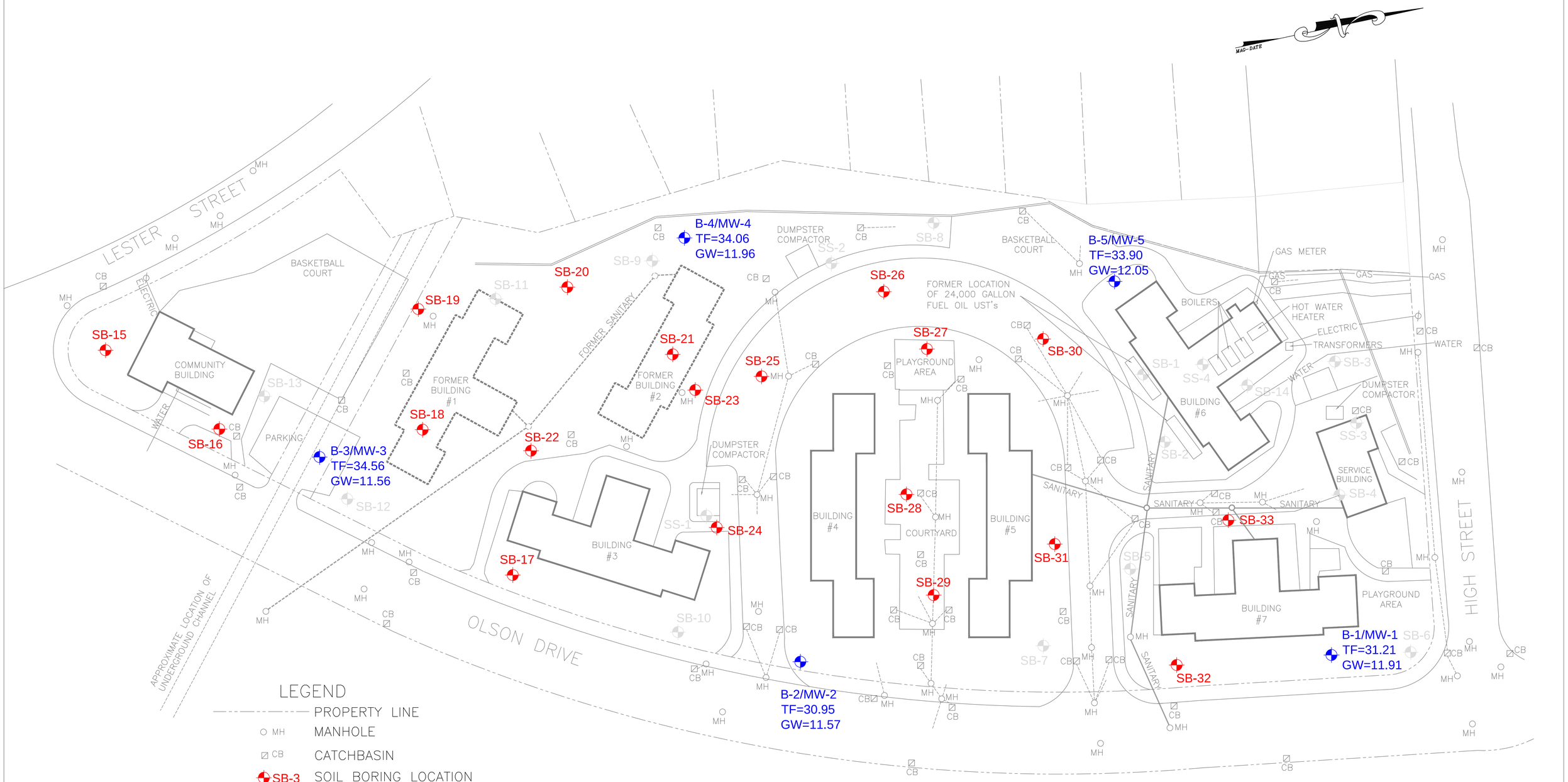
MH MANHOLE

CB CATCHBASIN

PAYNE ENVIRONMENTAL, LLC

SITE PLAN
RIVERSIDE APARTMENTS
OLSON DRIVE
ANSONIA, CONNECTICUT

PROJECT NO.	DATE:	DRAWN BY	CHECKED BY	REV.
12.110/001	8/20/12	WJK	NGP	0
SCALE: 1"=30'	FIGURE 2		SHEET:	



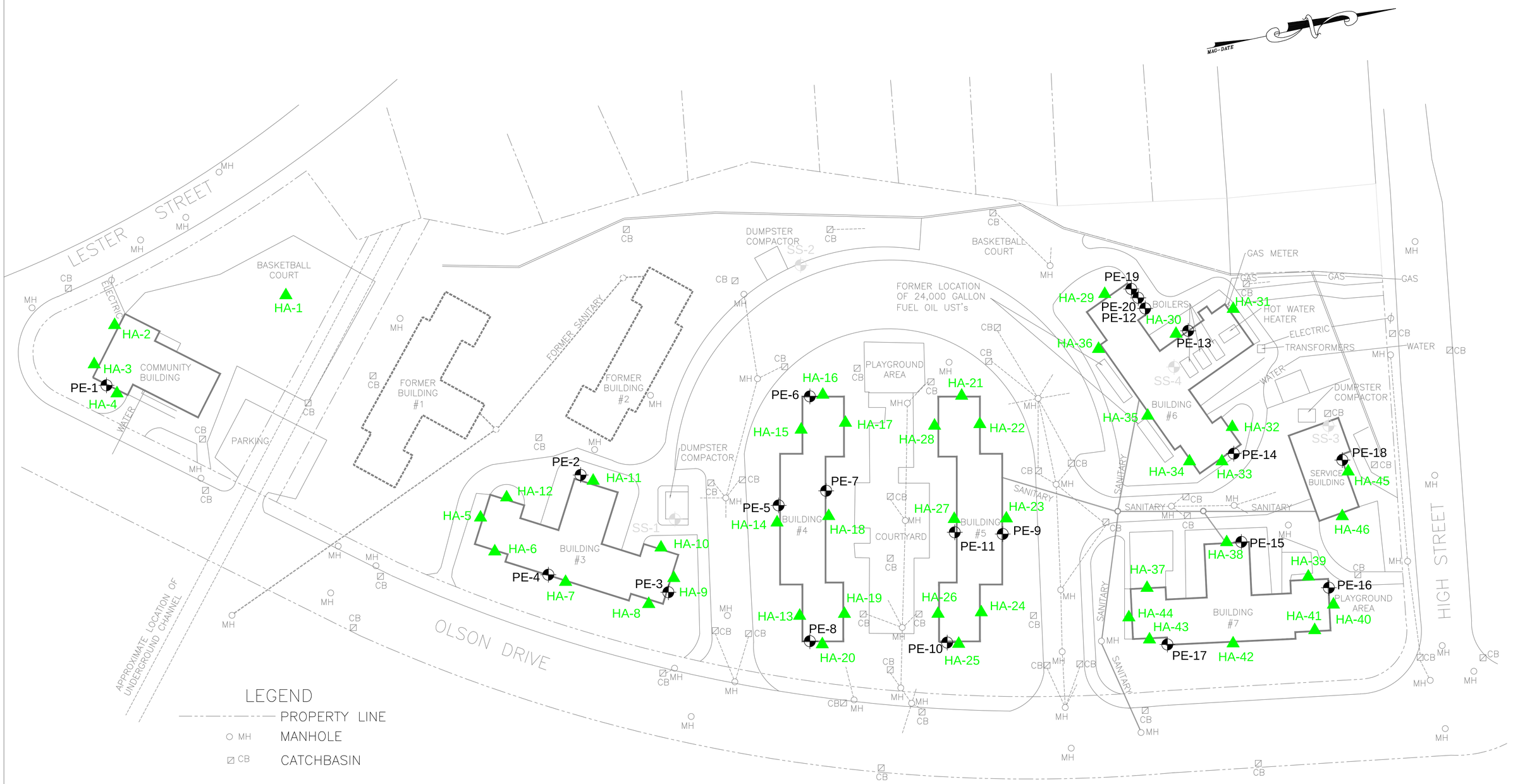
LEGEND

- PROPERTY LINE
- MH — MANHOLE
- CB — CATCHBASIN
- SB-3 — SOIL BORING LOCATION
- SS-1 — SUBSURFACE LOCATION
- B-3/MW-3 TF=34.56 GW=11.56 — SOIL BORING/MONITORING WELL LOCATION

PAYNE ENVIRONMENTAL, LLC

SOIL BORING LOCATION PLAN
RIVERSIDE APARTMENTS
OLSON DRIVE
ANSONIA, CONNECTICUT

PROJECT NO.	DATE:	DRAWN BY	CHECKED BY	REV.
12.110/001	8/20/12	WJK	NGP	0
SCALE: 1"=30'	FIGURE 3		SHEET:	



PAYNE ENVIRONMENTAL, LLC

SAMPLE LOCATION PLAN
RIVERSIDE APARTMENTS
OLSON DRIVE
ANSONIA, CONNECTICUT

PROJECT NO.	DATE:	DRAWN BY	CHECKED BY	REV.
12.110/001	8/20/12	WJK	NGP	0
SCALE: 1"=30'	FIGURE 4		SHEET:	

MAG- DATE

LESTER STREET

HIGH STREET

OLSON DRIVE

APPROXIMATE LOCATION OF UNDERGROUND CHANNEL

B-4/MW-4
TF=34.06
GW=11.96

B-5/MW-5
TF=33.90
GW=12.05

B-3/MW-3
TF=34.56
GW=11.56

B-2/MW-2
TF=30.95
GW=11.57

B-1/MW-1
TF=31.21
GW=11.91

12.0

11.9

11.8

11.7

11.6

BASKETBALL COURT

COMMUNITY BUILDING

PARKING

FORMER BUILDING #1

FORMER BUILDING #2

FORMER SANITARY

DUMPSTER COMPACTOR

FORMER LOCATION OF 24,000 GALLON FUEL OIL UST's

PLAYGROUND AREA

BUILDING #3

BUILDING #4

COURTYARD

BUILDING #5

BUILDING #6

BUILDING #7

SERVICE BUILDING

BOILERS

HOT WATER HEATER

TRANSFORMERS

GAS METER

ELECTRIC

WATER

SANITARY

GAS

LEGEND

PROPERTY LINE

MH MANHOLE

CB CATCHBASIN

B-3/MW-3
TF=34.56
GW=11.56 SOIL BORING/MONITORING WELL LOCATION

GROUNDWATER DIRECTION ARROW

11.7 GROUNDWATER CONTOUR

PAYNE ENVIRONMENTAL, LLC

GROUNDWATER CONTOUR PLAN
RIVERSIDE APARTMENTS
OLSON DRIVE
ANSONIA, CONNECTICUT

PROJECT NO.	DATE:	DRAWN BY	CHECKED BY	REV.
12.110/001	8/20/12	WJK	NGP	0

SCALE:		SHEET:
1"=30'	FIGURE 5	

MAC-DATE

LESTER STREET

OLSON DRIVE

HIGH STREET

APPROXIMATE LOCATION OF UNDERGROUND CHANNEL

BASKETBALL COURT

COMMUNITY BUILDING

PARKING

FORMER BUILDING #1

FORMER BUILDING #2

FORMER SANITARY

DUMPSTER COMPACTOR

FORMER LOCATION OF 24,000 GALLON FUEL OIL UST's

PLAYGROUND AREA

BUILDING #3

BUILDING #4

BUILDING #5

COURTYARD

BUILDING #6

BOILERS

HOT WATER HEATER

TRANSFORMERS

GAS METER

SERVICE BUILDING

BUILDING #7

PLAYGROUND AREA

ELECTRIC

WATER

GAS

SANITARY

MH

CB

LEGEND

PROPERTY LINE

MH MANHOLE

CB CATCHBASIN

DELINEATION OF POLLUTED FILL

10 TYPICAL DEPTH OF POLLUTED FILL LAYER

PAYNE ENVIRONMENTAL, LLC

DELINEATION OF POLLUTED FILL
RIVERSIDE APARTMENTS
OLSON DRIVE
ANSONIA, CONNECTICUT

PROJECT NO.	DATE:	DRAWN BY	CHECKED BY	REV.
12.110/001	8/20/12	WJK	NGP	0

SCALE:		SHEET:
1"=30'	FIGURE 6	

MAG-DATE

LESTER STREET

OLSON DRIVE

HIGH STREET

APPROXIMATE LOCATION OF UNDERGROUND CHANNEL

BASKETBALL COURT

COMMUNITY BUILDING

PARKING

FORMER BUILDING #1

FORMER BUILDING #2

FORMER SANITARY

DUMPSTER COMPACTOR

FORMER LOCATION OF 24,000 GALLON FUEL OIL UST's

PLAYGROUND AREA

BUILDING #3

BUILDING #4

BUILDING #5

COURTYARD

BUILDING #6

BUILDING #7

BOILERS

HOT WATER HEATER

GAS METER

TRANSFORMERS

SERVICE BUILDING

SANITARY

WATER

GAS

ELECTRIC

2-7 | ≥5 | 8-15 | 9-12 | ≥10 | 7-16 | ≥9 | 14-15 | 6-16 | 10-16 | 10-17 | 5-7 | 6-9 | 7-12 | 10-12 | 10-14 | ≥12 | 8-12 | 7-12 | 11-14 | 7-12 | 10-13 | 6-11 | 5-10 | ≥15 | 7-11 | 10-12 | ≥10 | 7-11 | 10-12 | ≥12 | ≥11 | 3-10 | 7-13 | 2-11 | ≥11

A A

LEGEND

- PROPERTY LINE
- MH MANHOLE
- CB CATCHBASIN
- RDEC EXCEEDANCE AREA
- 10-17 TYPICAL DEPTH & THICKNESS OF RDEC EXCEEDANCE AREAS
- A A SOIL CROSS SECTION A–A (REFER TO FIGURE #9)

PAYNE ENVIRONMENTAL, LLC

DIRECT EXPOSURE CRITERIA EXCEEDANCE AREAS
RIVERSIDE APARTMENTS
OLSON DRIVE
ANSONIA, CONNECTICUT

PROJECT NO.	DATE:	DRAWN BY	CHECKED BY	REV.
12.110/001	8/20/12	WJK	NGP	0
SCALE: 1"=30'	FIGURE 7		SHEET:	

MAG-DATE

LESTER STREET

OLSON DRIVE

HIGH STREET

APPROXIMATE LOCATION OF UNDERGROUND CHANNEL

SB-15 SB-16 SB-17 SB-18 SB-19 SB-20 SB-21 SB-22 SB-23 SB-24 SB-25 SB-26 SB-27 SB-28 SB-29 SB-30 SB-31 SB-32 SB-33

SS-1 SS-2 SS-3 SS-4 SS-5

SB-1 SB-2 SB-3 SB-4 SB-5 SB-6 SB-7 SB-8 SB-9 SB-10 SB-11 SB-12 SB-13 SB-14

2-4 7-14 2-10

COMMUNITY BUILDING

BASKETBALL COURT

PARKING

FORMER BUILDING #1

FORMER BUILDING #2

FORMER SANITARY

DUMPSTER COMPACTOR

FORMER LOCATION OF 24,000 GALLON FUEL OIL UST's

PLAYGROUND AREA

BUILDING #3

BUILDING #4

BUILDING #5

BUILDING #6

BUILDING #7

COURTYARD

SERVICE BUILDING

GAS METER

BOILERS

HOT WATER HEATER

TRANSFORMERS

ELECTRIC

WATER

GAS

SANITARY

MH

CB

LEGEND

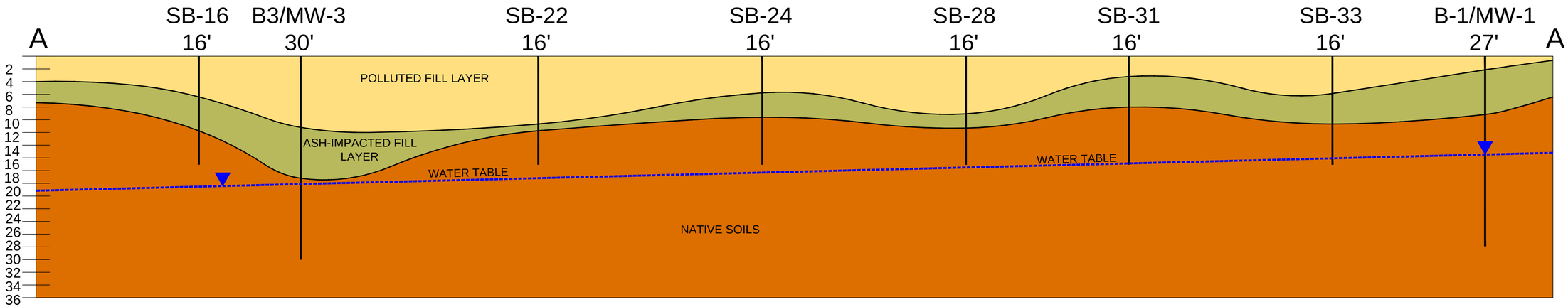
- PROPERTY LINE
- MH MANHOLE
- CB CATCHBASIN
- SB-3 SOIL BORING LOCATION
- GA PMC EXCEEDANCE AREAS
- 2-4 TYPICAL DEPTH & THICKNESS OF GA PMC EXCEEDANCE AREAS

PAYNE ENVIRONMENTAL, LLC

DIRECT EXPOSURE CRITERIA EXCEEDANCE AREAS
RIVERSIDE APARTMENTS
OLSON DRIVE
ANSONIA, CONNECTICUT

PROJECT NO.	DATE:	DRAWN BY	CHECKED BY	REV.
12.110/001	8/20/12	WJK	NGP	0

SCALE:		SHEET:
1"=30'	FIGURE 8	



SCALES:
1"=30' HORZ.
1"=4' VERT.

PAYNE ENVIRONMENTAL, LLC

SOIL CROSS-SECTION A-A
RIVERSIDE APARTMENTS
OLSON DRIVE
ANSONIA, CONNECTICUT

PROJECT NO.	DATE:	DRAWN BY	CHECKED BY	REV.
12.110/001	8/20/12	WJK	NGP	0

SCALE: AS NOTED:	FIGURE 9	SHEET:

ATTACHMENT B

TABLES

TABLE 1

Sample Parameter List
Soil, Groundwater & Sealant Sampling Program
Riverside Apartments
Ansonia, CT

MONITORING WELL NUMBER	WATER LEVEL MEASUREMENT	COLLECT SAMPLE	ANALYSIS
Soil Parameters			
SB-15 through SB-33		Y	PCBs[1], CT-ETPH[2], Metals[3], PAHs[4]
HA-1 through HA-46		Y	CT-ETPH, Metals, PAHs
Caulk/Sealants			
PE-1 through PE-20		Y	PCBs
Groundwater Parameters			
MW-1	Y	Y	VOCs, CT-ETPH, Metals, PAHs
MW-2	Y	Y	VOCs, CT-ETPH, Metals, PAHs
MW-3	Y	Y	VOCs, CT-ETPH, Metals, PAHs
MW-4	Y	Y	VOCs, CT-ETPH, Metals, PAHs
MW-5	Y	Y	VOCs, CT-ETPH, Metals, PAHs
Trip Blank		Y	Y (VOCs only)

1. PCBs – Polychlorinated Biphenyls by SW846 Method 8082A/3540C
2. CT-ETPH - Extractable Total Petroleum Hydrocarbons
3. Metals – Lead, Arsenic by SW846 Method 6010C (select samples further analyzed by SPLP method)
4. PAHs – Semi-volatile Organic Compounds by SW846 Method 8270D
5. VOCs - Volatile Organic Compounds by SW846 Method 8260C

TABLE 2

Monitoring Well Completion Details
Groundwater Monitoring Report
Riverside Apartments
Ansonia, CT

MONITORING WELL NUMBER	GROUND SURFACE ELEVATION[1] (FEET)	BOREHOLE DEPTH (FEET)	AQUIFER TYPE[2]	SCREEN LENGTH (FEET)	SCREEN DEPTH (FEET)	SCREENED ELEVATIONS (FEET)	NOMINAL WELL DIAMETER (INCHES)	SCREEN SLOT SIZE (INCHES)	COMPLETION DATE
MW-1	31.21	27.0	OB[2]	10.0	27.0	14.21-4.21	2	0.010	8/16/2012
MW-2	30.95	27.0	OB	10.0	27.0	13.95-3.95	2	0.010	8/16/2012
MW-3	34.56	30.0	OB	10.0	30.0	14.56-4.56	2	0.010	8/16/2012
MW-4	34.06	30.0	OB	10.0	30.0	14.06-4.06	2	0.010	8/17/2012
MW-5	33.90	30.0	OB	10.0	30.0	13.90-3.90	2	0.010	8/17/2012

1. Elevations based on referenced points.
2. OB = Overburden Aquifer

TABLE 3

Groundwater Elevations
Riverside Apartments
Ansonia, CT

WELL ID	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**
Aquifer Type	OB	OB	OB	OB	OB
Screened Elevation	14.21-4.21	13.95-3.95	14.56-4.56	14.06-4.06	13.90-3.90
Depth to Water*	19.30	19.38	23.00	22.10	21.85
Top of Casing	31.21	30.95	34.56	34.06	33.90
Groundwater Elevation	11.91	11.57	11.56	11.96	12.05

* Depth (feet) based on measurements made in the field.
OB = Overburden aquifer

TABLE 4:

Soil Analytical Results
Riverside Apartments
Ansonia, CT

	Sample ID																				RSR	Criteria
																					Res. DEC	GA PMC
Parameter	**SB-15 (2-4)**	**SB-15 (5-7)**	**SB-16 (1-3)**	**SB-16 (8-12)**	**HA-1 (0-1)**	**SB-17 (1-3)**	**SB-17 (13-15)**	**SB-18 (2-4)**	**SB-18 (6-8)**	**SB-19 (1-3)**	**SB-19 (6-8)**	**SB-20 (10-12)**	**SB-21 (0-2)**	**SB-21 (10-12)**	**SB-22 (1-3)**	**SB-22 (14-15)**	**SB-23 (1-3)**	**SB-23 (8-10)**	**SB-24 (8-10)**	**SB-24A (8-10)**		
Date	**8/16/12**	**8/16/12**	**8/16/12**	**8/16/12**	**8/16/12**	**8/16/12**	**8/16/12**	**8/16/12**	**8/16/12**	**8/16/12**	**8/16/12**	**8/16/12**	**8/16/12**	**8/16/12**	**8/16/12**	**8/16/12**	**8/16/12**	**8/16/12**	**8/16/12**	**8/16/12**		
Polyacyclic Aromatic Hydrocarbons - PAHs (ug/kg)																						
Acenaphthene	NA	BRL	NA	BRL	NA	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	BRL	1000000	8400
Acenaphthylene	NA	BRL	NA	BRL	NA	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	BRL	1000000	8400
Anthracene	NA	BRL	NA	BRL	NA	NA	BRL	NA	291	NA	BRL	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	BRL	1000000	40000
Benzo (a) anthracene	NA	BRL	NA	BRL	NA	NA	254	NA	535	NA	**2280**	BRL	NA	**BRL**	NA	336	NA	192	954	904	1000	1000
Benzo (a) pyrene	NA	**1070**	NA	267	NA	NA	323	NA	646	NA	**3850**	BRL	NA	**1930**	NA	339	NA	199	**1090**	**1200**	1000	1000
Benzo (b) fluoranthene	NA	BRL	NA	203	NA	NA	233	NA	492	NA	**3070**	BRL	NA	**1750**	NA	275	NA	195	742	867	1000	1000
Benzo (g,h,i) perylene	NA	BRL	NA	BRL	NA	NA	BRL	NA	282	NA	3250	BRL	NA	BRL	NA	222	NA	BRL	833	871	1000000	4200
Benzo (k) fluoranthene	NA	874	NA	281	NA	NA	289	NA	552	NA	3810	197	NA	BRL	NA	325	NA	192	843	651	8400	1000
Chrysene	NA	897	NA	289	NA	NA	330	NA	684	NA	2270	197	NA	BRL	NA	354	NA	233	983	927	84000	1000
Dibenzo (a,h) anthracene	NA	BRL	NA	BRL	NA	NA	BRL	NA	BRL	NA	BRL	BRL	NA	**BRL**	NA	BRL	NA	BRL	401	345	1000	1000
Fluoranthene	NA	1020	NA	330	NA	NA	733	NA	1500	NA	3280	311	NA	2230	NA	575	NA	332	1870	1610	1000000	5600
Fluorene	NA	BRL	NA	BRL	NA	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	BRL	1000000	5600
Indeno (1,2,3-cd) pyrene	NA	BRL	NA	BRL	NA	NA	BRL	NA	320	NA	**3300**	BRL	NA	**BRL**	NA	211	NA	BRL	719	646	1000	1000
1-Methylnaphthalene	NA	BRL	NA	BRL	NA	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	BRL	NE	NE
2-Methylnaphthalene	NA	BRL	NA	BRL	NA	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	BRL	474000	980
Naphthalene	NA	BRL	NA	BRL	NA	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	BRL	1000000	5600
Phenanthrene	NA	BRL	NA	202	NA	NA	481	NA	1090	NA	BRL	199	NA	BRL	NA	261	NA	BRL	997	694	1000000	4000
Pyrene	NA	1200	NA	324	NA	NA	675	NA	1360	NA	3110	330	NA	1890	NA	623	NA	311	1680	1490	1000000	4000
Total Metals (mg/kg)																						
Arsenic	3.79	4.19	3.37	6.95	BRL	4.93	6.65	3.59	2.91	3.99	6.03	4.99	**44.9**	5.54	4.86	6.47	1.33	**32.5**	9.35	8.24	10	0.05
Lead	43.9	22	61.3	149	64.7	82.5	97.4	45.6	105	71.9	168	108	46.4	105	62.1	229	1.33	33	**588**	322	500	0.015
Polychlorinated Biphenyls - PCBs (ug/kg)																						
Aroclor-1016	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1221	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1232	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1242	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1248	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	133	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1254	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1260	BRL	BRL	BRL	BRL	BRL	116	BRL	83.3	564	69.2	BRL	**1770**	70.8	28.7	279	64	376	389	BRL	BRL	1000	0.5
Aroclor-1262	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1268	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Extractable Total Petroleum Hydrocarbons - ETPH (mg/kg)																						
CT ETPH	NA	**525**	NA	102	**799**	81.7	90.4	NA	66.8	NA	**1460**	75.2	NA	**1170**	NA	146	NA	53.6	187	317	500	500
See ETPH note below		9		9	9	9	9		**9**		9	9		9		9		9	9	9		

Notes:
mg/kg - milligrams per kilogram
ug/kg - micrograms per kilogram
BRL - below laboratory reporting limits
NE - Not Established
NA - Not Analyzed

CT ETPH Characteristics
1. Gasoline
2. Fuel Oil #2
3. Fuel Oil #4
4. Fuel Oil #6
5. Motor Oil
6. Aviation Fuel
7. Unidentified
8. Other Oil
9. C9-C36 Aliphatic Hydrocarbons

Exceedance of RDEC

Exceedance of GAPMC

Note that laboratory detection limits for PAHs in sample SB-21 (10-12) are reported at 1,720 ug/kg, which exceed the RDEC for highlighted constituent

TABLE 4:

Soil Analytical Results
Riverside Apartments
Ansonia, CT

	Sample ID																				RSR	Criteria
																					Res. DEC	GA PMC
Parameter	**SB-25 (0-2)**	**SB-25 (6-8)**	**SB-26 (1-3)**	**SB-26 (10-12)**	**SB-27 (0-2)**	**SB-27 (12-14)**	**SB-28 (1-3)**	**SB-28 (12-14)**	**SB-29 (0-2)**	**SB-29 (10-12)**	**SB-29A (10-12)**	**SB-30 (1-3)**	**SB-30 (7-9)**	**SB-31 (0-2)**	**SB-31 (6-8)**	**SB-32 (0-2)**	**SB-32 (5-7)**	**SB-32 (9-11)**	**SB-33 (0-2)**	**SB-33 (10-12)**		
Date	**8/17/12**	**8/17/12**	**8/17/12**	**8/17/12**	**8/17/12**	**8/17/12**	**8/17/12**	**8/17/12**	**8/17/12**	**8/17/12**	**8/17/12**	**8/17/12**	**8/17/12**	**8/17/12**	**8/17/12**	**8/17/12**	**8/17/12**	**8/17/12**	**8/17/12**	**8/17/12**		
Polyacyclic Aromatic Hydrocarbons - PAHs (ug/kg)																						
Acenaphthene	NA	BRL	NA	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	1000000	8400
Acenaphthylene	NA	BRL	NA	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	1000000	8400
Anthracene	NA	BRL	NA	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	1000000	40000
Benzo (a) anthracene	NA	BRL	NA	431	NA	603	NA	**BRL**	NA	BRL	BRL	NA	415	NA	BRL	NA	BRL	278	NA	BRL	1000	1000
Benzo (a) pyrene	NA	BRL	NA	576	NA	651	NA	**BRL**	NA	BRL	BRL	NA	498	NA	BRL	NA	216	879	NA	BRL	1000	1000
Benzo (b) fluoranthene	NA	BRL	NA	433	NA	560	NA	**BRL**	NA	BRL	BRL	NA	340	NA	BRL	NA	203	368	NA	BRL	1000	1000
Benzo (g,h,i) perylene	NA	BRL	NA	417	NA	427	NA	BRL	NA	BRL	BRL	NA	553	NA	BRL	NA	208	546	NA	BRL	1000000	4200
Benzo (k) fluoranthene	NA	BRL	NA	456	NA	493	NA	BRL	NA	BRL	BRL	NA	262	NA	BRL	NA	231	402	NA	BRL	8400	1000
Chrysene	NA	BRL	NA	440	NA	642	NA	BRL	NA	BRL	BRL	NA	502	NA	BRL	NA	239	415	NA	208	84000	1000
Dibenzo (a,h) anthracene	NA	BRL	NA	BRL	NA	BRL	NA	**BRL**	NA	BRL	BRL	NA	262	NA	BRL	NA	BRL	233	NA	BRL	1000	1000
Fluoranthene	NA	BRL	NA	520	NA	1270	NA	4610	NA	BRL	BRL	NA	619	NA	227	NA	246	415	NA	335	1000000	5600
Fluorene	NA	BRL	NA	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	1000000	5600
Indeno (1,2,3-cd) pyrene	NA	BRL	NA	349	NA	378	NA	**BRL**	NA	BRL	BRL	NA	340	NA	BRL	NA	BRL	388	NA	BRL	1000	1000
1-Methylnaphthalene	NA	BRL	NA	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	NE	NE
2-Methylnaphthalene	NA	BRL	NA	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	474000	980
Naphthalene	NA	BRL	NA	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	NA	BRL	NA	BRL	BRL	NA	BRL	1000000	5600
Phenanthrene	NA	BRL	NA	396	NA	572	NA	3270	NA	BRL	BRL	NA	550	NA	BRL	NA	185	211	NA	283	1000000	4000
Pyrene	NA	BRL	NA	476	NA	1100	NA	4500	NA	BRL	BRL	NA	641	NA	BRL	NA	294	453	NA	328	1000000	4000
Total Metals (mg/kg)																						
Arsenic	7.48	**26.8**	4.04	**46.7**	3.04	7.12	4.18	8.49	7.44	9.03	8.28	6.24	**15.2**	5.44	5.43	**45.3**	4.18	**11.9**	2.41	6.29	10	0.05
Lead	56.9	48.7	60.9	**497**	49.5	251	205	376	129	**708**	**741**	89.8	**1720**	26.1	**543**	172	125	396	123	**578**	500	0.015
Polychlorinated Biphenyls - PCBs (ug/kg																						
Aroclor-1016	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1221	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1232	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1242	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1248	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1254	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	51.8	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1260	153	BRL	51.5	BRL	90.7	75	278	25.1	107	BRL	BRL	161	BRL	157	BRL	33	BRL	BRL	92.2	BRL	1000	0.5
Aroclor-1262	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1268	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Extractable Total Petroleum Hydrocarbons - ETPH (mg/kg																						
CT ETPH	NA	BRL	NA	169	NA	88.2	84.1	261	NA	BRL	BRL	NA	250	NA	62.3	NA	73.5	138	190	156	500	500
See ETPH note below				9		9	9	9					9		9		9	9	9	9		

Notes:
mg/kg - milligrams per kilogram
ug/kg - micrograms per kilogram
BRL - below laboratory reporting limits
NE - Not Established
NA - Not Analyzed

CT ETPH Characteristics
1. Gasoline
2. Fuel Oil #2
3. Fuel Oil #4
4. Fuel Oil #6
5. Motor Oil
6. Aviation Fuel
7. Unidentified
8. Other Oil
9. C9-C36 Aliphatic Hydrocarbons

Exceedance of RDEC

Exceedance of GAPMC

Note that laboratory detection limits for PAHs in sample SB-28 (10-12) are reported at 1,990 ug/kg, which exceed the RDEC for highlighted constituents.

TABLE 4:

Soil Analytical Results
Riverside Apartments
Ansonia, CT

	Sample ID																				RSR	Criteria
																					Res. DEC	GA PMC
Parameter	**B-1/MW-1 (5-7)**	**B-2/MW-2 (5-7)**	**B-3/MW-3 (5-7)**	**B-4/MW-4 (5-7)**	**B-5/MW-5 (5-7)**	**HA-2**	**HA-3**	**HA-4**	**HA-5**	**HA-6**	**HA-7**	**HA-8**	**HA-9**	**HA-10**	**HA-11**	**HA-12**	**HA-13**	**HA-14**	**HA-15**	**HA-16**		
Date	**8/16/12**	**8/16/12**	**8/17/12**	**8/17/12**	**8/17/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**		
Polyacyclic Aromatic Hydrocarbons - PAHs (ug/kg)																						
Acenaphthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000000	8400
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000000	8400
Anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000000	40000
Benzo (a) anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	1000
Benzo (a) pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	1000
Benzo (b) fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	1000
Benzo (g,h,i) perylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000000	4200
Benzo (k) fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8400	1000
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	84000	1000
Dibenzo (a,h) anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	1000
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000000	5600
Fluorene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000000	5600
Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	1000
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	474000	980
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000000	5600
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000000	4000
Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000000	4000
Total Metals (mg/kg)																						
Arsenic	2.42	**15**	1.64	2.65	1.94	BRL	BRL	1.65	3.82	1.98	2.8	BRL	3.12	3.87	4.27	4.31	4.07	2.12	2.59	1.73	10	0.05
Lead	74	**888**	64.4	110	92.9	170	124	158	103	82.1	159	77.4	150	67.1	69.9	74.5	129	140	117	1.73	500	0.015
Polychlorinated Biphenyls - PCBs (ug/kg																						
Aroclor-1016	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	22.9	1000	0.5
Aroclor-1221	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	22.9	1000	0.5
Aroclor-1232	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	22.9	1000	0.5
Aroclor-1242	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	22.9	1000	0.5
Aroclor-1248	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	22.9	1000	0.5
Aroclor-1254	BRL	BRL	BRL	BRL	BRL	505	327	93.9	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	22.9	1000	0.5
Aroclor-1260	24.2	**2820**	22.2	118	106	366	296	99.3	BRL	BRL	BRL	BRL	42.2	25.3	BRL	BRL	BRL	BRL	BRL	22.9	1000	0.5
Aroclor-1262	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	22.9	1000	0.5
Aroclor-1268	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	22.9	1000	0.5
Extractable Total Petroleum Hydrocarbons - ETPH (mg/kg																						
CT ETPH	109	222	87	117	342	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	500	500
See ETPH note below	9	9	9	9	9																	

Notes:
mg/kg - milligrams per kilogram
ug/kg - micrograms per kilogram
BRL - below laboratory reporting limits
NE - Not Established
NA - Not Analyzed

CT ETPH Characteristics
1. Gasoline
2. Fuel Oil #2
3. Fuel Oil #4
4. Fuel Oil #6
5. Motor Oil
6. Aviation Fuel
7. Unidentified
8. Other Oil
9. C9-C36 Aliphatic Hydrocarbons

Exceedance of RDEC

Exceedance of GAPMC

TABLE 4:

Soil Analytical Results
Riverside Apartments
Ansonia, CT

	Sample ID																				RSR	Criteria
																					Res. DEC	GA PMC
Parameter	**HA-17**	**HA-18**	**HA-19**	**HA-20**	**HA-21**	**HA-22**	**HA-23**	**HA-24**	**HA-25**	**HA-26**	**HA-27**	**HA-28**	**HA-29**	**HA-30**	**HA-31**	**HA-32**	**HA-33**	**HA-34**	**HA-35**	**HA-36**		
Date	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**		
Polyacyclic Aromatic Hydrocarbons - PAHs (ug/kg)																						
Acenaphthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000000	8400
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000000	8400
Anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000000	40000
Benzo (a) anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	1000
Benzo (a) pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	1000
Benzo (b) fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	1000
Benzo (g,h,i) perylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000000	4200
Benzo (k) fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8400	1000
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	84000	1000
Dibenzo (a,h) anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	1000
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000000	5600
Fluorene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000000	5600
Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	1000
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	474000	980
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000000	5600
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000000	4000
Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000000	4000
Total Metals (mg/kg)																						
Arsenic	3.14	1.8	3.37	5.41	3.18	6.05	3.45	8.03	**19.1**	BRL	1.8	2.89	6.07	4.7	7.1	6.81	2.16	2.27	6.42	3.13	10	0.05
Lead	60.1	85.8	71.7	83.7	19.8	83.7	144	102	**1410**	69.5	45.1	33.7	104	78	42.8	61.1	135	137	76.2	62	500	0.015
Polychlorinated Biphenyls - PCBs (ug/kg																						
Aroclor-1016	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1221	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1232	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1242	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1248	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1254	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1260	BRL	27.9	BRL	44.9	BRL	BRL	34.1	BRL	50	32.2	BRL	BRL	38.3	BRL	BRL	BRL	31.2	25.4	BRL	36.8	1000	0.5
Aroclor-1262	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Aroclor-1268	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1000	0.5
Extractable Total Petroleum Hydrocarbons - ETPH (mg/kg																						
CT ETPH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	500	500
See ETPH note below																						

Notes:
mg/kg - milligrams per kilogram
ug/kg - micrograms per kilogram
BRL - below laboratory reporting limits
NE - Not Established
NA - Not Analyzed

CT ETPH Characteristics
1. Gasoline
2. Fuel Oil #2
3. Fuel Oil #4
4. Fuel Oil #6
5. Motor Oil
6. Aviation Fuel
7. Unidentified
8. Other Oil
9. C9-C36 Aliphatic Hydrocarbons

Exceedance of RDEC

Exceedance of GAPMC

TABLE 4:

Soil Analytical Results
Riverside Apartments
Ansonia, CT

	Sample ID																				RSR	Criteria
Parameter	**HA-37**	**HA-38**	**HA-39**	**HA-40**	**HA-41**	**HA-42**	**HA-43**	**HA-44**	**HA-45**	**HA-46**											**Res. DEC**	**GA PMC**
Date	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**	**8/22/12**												
Polyacyclic Aromatic Hydrocarbons - PAHs (ug/kg)																						
Acenaphthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											1000000	8400
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											1000000	8400
Anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											1000000	40000
Benzo (a) anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											1000	1000
Benzo (a) pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											1000	1000
Benzo (b) fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											1000	1000
Benzo (g,h,i) perylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											1000000	4200
Benzo (k) fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											8400	1000
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											84000	1000
Dibenzo (a,h) anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											1000	1000
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											1000000	5600
Fluorene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											1000000	5600
Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											1000	1000
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											NE	NE
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											474000	980
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											1000000	5600
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											1000000	4000
Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											1000000	4000
Total Metals (mg/kg)																						
Arsenic	2.78	4.82	2.7	4.12	3.65	3.14	3.08	2.25	2.56	BRL											10	0.05
Lead	97	104	85.7	104	153	80.3	78.1	117	127	10.4											500	0.015
Polychlorinated Biphenyls - PCBs (ug/kg																						
Aroclor-1016	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL											1000	0.5
Aroclor-1221	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL											1000	0.5
Aroclor-1232	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL											1000	0.5
Aroclor-1242	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL											1000	0.5
Aroclor-1248	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL											1000	0.5
Aroclor-1254	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL											1000	0.5
Aroclor-1260	BRL	BRL	32.1	BRL	BRL	BRL	BRL	26.5	BRL	BRL											1000	0.5
Aroclor-1262	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL											1000	0.5
Aroclor-1268	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL											1000	0.5
Extractable Total Petroleum Hydrocarbons - ETPH (mg/kg																						
CT ETPH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											500	500
See ETPH note below																						

Notes:
mg/kg - milligrams per kilogram
ug/kg - micrograms per kilogram
BRL - below laboratory reporting limits
NE - Not Established
NA - Not Analyzed

CT ETPH Characteristics
1. Gasoline
2. Fuel Oil #2
3. Fuel Oil #4
4. Fuel Oil #6
5. Motor Oil
6. Aviation Fuel
7. Unidentified
8. Other Oil
9. C9-C36 Aliphatic Hydrocarbons

Exceedance of RDEC

Exceedance of GAPMC

TABLE 5

Detected Chemical Parameters - Groundwater
Riverside Apartments
Ansonia, CT

WELL ID	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**SWPC[1] (mg/L)**	**RES. VC[2] (mg/L)**	**GWPC[3] (mg/L)**
Sample ID	MW-1	MW-2	MW-3	MW-4	MW-5			
Date	8/22/12	8/22/12	8/22/12	8/22/12	8/22/12			
PAHs (ug/L)								
Acenaphthene	BRL	BRL	BRL	BRL	BRL	6.1		420
Acenaphthylene	BRL	BRL	BRL	BRL	BRL	0.3		420
1-Methylnaphthalene	BRL	BRL	BRL	BRL	BRL	NE		NE
Anthracene	BRL	BRL	BRL	BRL	BRL	1100000		2000
Benzo (a) anthracene	BRL	BRL	BRL	BRL	BRL	0.3		0.06
Benzo (a) pyrene	BRL	BRL	BRL	BRL	BRL	0.3		0.2
Benzo (b) fluoranthene	BRL	BRL	BRL	BRL	BRL	0.3		0.08
Benzo (g,h,i) perylene	BRL	BRL	BRL	BRL	BRL	4.92		210
Benzo (k) fluoranthene	BRL	BRL	BRL	BRL	BRL	0.3		0.5
Chrysene	BRL	BRL	BRL	BRL	BRL	4.92		4.8
Dibenzo (a,h) anthracene	BRL	BRL	BRL	BRL	BRL	0.01		0.2
Fluoranthene	0.059	BRL	BRL	BRL	BRL	3700		280
Fluorene	0.082	BRL	BRL	BRL	BRL	140000		280
Indeno (1,2,3-cd) pyrene	BRL	BRL	BRL	BRL	BRL	0.49		0.2
2-Methylnaphthalene	0.061	BRL	BRL	BRL	BRL	NE		49
Naphthalene	0.058	BRL	BRL	BRL	BRL	24		280
Phenanthrene	**0.343**	BRL	0.071	**0.104**	**0.124**	0.077		200
Pyrene	BRL	BRL	BRL	BRL	BRL	110000		200

Metals (mg/L)								
Arsenic	BRL	BRL	BRL	BRL	BRL	0.004		0.05
Lead	BRL	BRL	BRL	BRL	BRL	0.013		0.015
VOCs (ug/L)								
Chloroform	BRL	BRL	3.19	**9.94**	BRL	14100	287	6
All Other VOCs	BRL	BRL	BRL	BRL	BRL			
CT ETPH (mg/L)	**0.5**	BRL	BRL	BRL	BRL			0.1

1. SWPC = Surface Water Protection Criteria for Substances in Ground Water
2. RES. VC = Residential Volatilization Criteria for Substances in Ground Water (proposed change in brackets)
3. GWPC = Ground Water Protection Criteria (do not apply to site)
4. SWPC for Chromium (VI); SWPC for Chromium (III) = 1.2 mg/L
5. NE = None Established
6. **Criteria depicted in bold exceed one or more RSR criterion.**

TABLE 6

PCB Caulk/Sealant Sample Results
Riverside Apartments
Ansonia, CT

SAMPLE ID	MATERIAL TYPE	GENERAL LOCATION	TOTAL PCBs (mg/kg)
PE-1	Gray rubbery window caulk	Community Center – exterior window located southeast side of bldg	3.6
PE-2	Gray brittle window caulk	Bldg #3 – lower window on west side	3.4
PE-3	Gray brittle window caulk	Bldg #3 – lower window on north side	0.8
PE-4	Gray brittle window caulk	Bldg #3 – lower window on east side	0.8
PE-5	Gray-yellow rubbery caulk	Bldg #4 – lower window on south side	3.6
PE-6	White brittle caulk	Bldg #4 – 1st floor window on west side	BRL
PE-7	White/gray brittle caulk	Bldg #4 – expansion joint on north side	7.0
PE-8	White brittle caulk	Bldg #4 – 1st floor window on east side	3.0
PE-9	Gray-yellow rubbery caulk	Bldg #5 – lower window on south side	3.1
PE-10	Gray rubbery caulk	Bldg #5 – 1st floor window east side	BRL
PE-11	White/gray brittle caulk	Bldg #5 – expansion joint south side	3.9
PE-12	Hard rubbery white caulk	Bldg #6 – 1st floor window on NW side	BRL
PE-13	Brown rubbery caulk	Bldg #6 – air vent sealant	BRL
PE-14	White/gray rubbery caulk	Bldg #6 – lower window caulk on east side	1.1
PE-15	White brittle caulk	Bldg #7 – 1st floor lower window caulk on west side	BRL
PE-16	Light yellow rubbery caulk	Bldg #7 – lower window caulk on north side	0.5
PE-17	Light yellow rubbery caulk	Bldg #7 – lower window caulk on south side	0.6
PE-18	Brown rubbery caulk	Maintenance Bldg – 1st floor window caulk on north side	BRL
PE-19	Offwhite brittle caulk	Bldg #6 – under existing window frame	5.9
PE-20	Offwhite soft/rubbery caulk	Bldg #6 – under existing window frame	3.7

1. PCBs – Polychlorinated Biphenyls by SW846 Method 8082A/3540C
2. Samples PE-1 through PE-18 collected on 8/22/12
3. Samples PE-19 & PE-20 collected on 8/25/12
4. BRL – Below Reportable Limit
5. PCB caulk/sealant ≥ 50 ppm is defined as PCB Bulk Product Waste under EPA 40 CFR 761.62
6. PCB caulk/sealant >1 and < 50 ppm regulated by CTDEEP

ATTACHMENT C

SOIL BORING LOGS

PAYNE ENVIRONMENTAL
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85 Willow Street
New Haven, Connecticut 06511
Telephone: 203-865-1285
Fax: 203-865-1286

BORING NUMBER SB-15

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/16/12 **COMPLETED** 8/16/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.5 Medium-dark brown TOPSOIL	
					Dark brown sandy FILL; little ash and trace asphalt.	
					4.0	
5					Dark brown sandy FILL; little ash and trace asphalt and brick.	
					7.0	
					Light brown SAND, some cobbles.	
					8.0	
					Light brown SAND, some cobbles.	
10					12.0	
					Light brown SAND, some cobbles.	
15					16.0	
					Bottom of hole at 16.0 feet.	

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BORING NUMBER SB-16

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/16/12 **COMPLETED** 8/16/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.3 Asphalt Dark brown sandy FILL; little cobbles	
					4.0 Dark brown sandy FILL; little cobbles and brick.	
5					8.0 Dark brown sandy FILL; little ash, brick and cobbles.	
10					12.0 Same as 8-12 interval.	
15					16.0 Same as 12-16 interval	
20					20.0 Same as 16-20 interval	
					22.0 Red-brown SAND; little rock and cobble.	
					24.0 Bottom of hole at 24.0 feet.	

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BORING NUMBER SB-17

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/16/12 **COMPLETED** 8/16/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.4 Medium-dark brown TOPSOIL Medium brown sandy FILL; trace concrete	
					4.0 Same as interval above.	
5					7.0 Dark brown sandy FILL.	
					8.0 Same as 7-8 foot interval above.	
10					10.0 Same as 8-10 interval; also little ash.	
					12.0 Same as 10-12 interval.	
15					16.0 Bottom of hole at 16.0 feet.	

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BORING NUMBER SB-18

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/16/12 **COMPLETED** 8/16/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.4 Medium-dark brown TOPSOIL Light brown sandy FILL; trace concrete	
					4.0 Same as interval above.	
5					6.0 Light brown sandy FILL; little gravel, cobbles. Trace brick, concrete.	
					8.0 Same as 6-8 foot interval above.	
					9.0 Refusal at 9 feet (concrete)	
					Bottom of hole at 9.0 feet.	

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BORING NUMBER SB-19

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/16/12 **COMPLETED** 8/16/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.5 Medium-dark brown TOPSOIL	
					Medium brown sandy FILL; some gravel, cobbles.	
					4.0	
5					Same as interval above.	
					6.0	
					Dark brown sandy FILL; some ash, concrete.	
					8.0	
10					Same as 6-8 foot interval above.	
					11.0	
					Light brown SAND; little gravel.	
					12.0	
					Same as 11-12 interval. Refusal at 15' (rock).	
15					15.0	
					Bottom of hole at 15.0 feet.	

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BORING NUMBER SB-20

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/16/12 **COMPLETED** 8/16/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					Light brown sandy FILL.	
					4.0	
5					Same as interval above.	
					8.0	
					Same as interval above.	
10					10.0	
					Dark brown sandy FILL; some ash and dark staining.	
					12.0	
					Light brown SAND; little gravel and cobbles.	
15					16.0	
					Bottom of hole at 16.0 feet.	

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Fax: 203-865-1286

BORING NUMBER SB-21

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/16/12 **COMPLETED** 8/16/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.5 Topsoil.	
					1.5 Light brown sandy FILL; little brick	
					Light brown sandy FILL.	
					4.0	
5					Same as above	
					8.0	
					Same as above.	
10					10.0	
					Dark brown sandy FILL; little ash.	
					12.0	
					Dark brown sandy FILL; little ash.	
					14.0	
15					Light brown SAND.	
					16.0	
					Bottom of hole at 16.0 feet.	

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Fax: 203-865-1286

BORING NUMBER SB-22

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/16/12 **COMPLETED** 8/16/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.5 Topsoil.	
					Dark brown sandy FILL.	
					4.0	
5					Same as above.	
					8.0	
					Same as above	
10					10.0	
					Light brown sandy FILL; some gravel and cobbles.	
					12.0	
					Same as 10-12 interval above.	
					14.0	
15					Dark brown sandy FILL; little ash. 15.0	
					Light brown SAND. 16.0	
					Bottom of hole at 16.0 feet.	

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BORING NUMBER SB-23

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/16/12 **COMPLETED** 8/16/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.3 Asphalt Light brown sandy FILL.	
					4.0 Same as above.	
5					6.0 Dark brown sandy FILL; little rock and concrete.	
					8.0 Same as 6-8 interval above.	
10					10.0 Light brown SAND; litle gravel.	
					12.0 Same as 10-12 interval above.	
					13.0 Light brown SAND.	
15					15.0 Light-medium dark SAND.	
					16.0 Bottom of hole at 16.0 feet.	

PAYNE ENVIRONMENTAL
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New Haven, Connecticut 06511
Telephone: 203-865-1285
Fax: 203-865-1286

BORING NUMBER SB-24

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/16/12 **COMPLETED** 8/16/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					Light brown sandy FILL; some cobbles and concrete.	
					4.0 Same as above.	
5					7.0 Dark brown sandy FILL; little ash, brick, concrete.	
					8.0 Same as 7-8 interval above.	
10					12.0 Light brown SAND.	
15					16.0 Bottom of hole at 16.0 feet.	

PAYNE ENVIRONMENTAL
Payne Environmental LLC
85 Willow Street
New Haven, Connecticut 06511
Telephone: 203-865-1285
Fax: 203-865-1286

BORING NUMBER SB-25

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/17/12 **COMPLETED** 8/17/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.4 Topsoil.	
					Light brown sandy FILL; little gravel and cobbles.	
					4.0	
5					Same as interval above.	
					6.0	
					Dark brown sandy FILL; little concrete and ash.	
					8.0	
					Same as 6-8 interval above.	
					9.0	
10					Light brown SAND; little gravel.	
					12.0	
					Same as 9-12 interval above.	
15					15.0	
					Dark brown fine SAND (river bed).	
					16.0	
					Bottom of hole at 16.0 feet.	

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BORING NUMBER SB-26

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/17/12 **COMPLETED** 8/17/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.3 Asphalt Light brown sandy FILL.	
					4.0 Same as above.	
5					8.0 Same as above.	
10					10.0 Dark brown sandy FILL; little ash, glass, concrete.	
					12.0 No recovery.	
15					16.0 Bottom of hole at 16.0 feet.	

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BORING NUMBER SB-27

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/17/12 **COMPLETED** 8/17/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.4 Topsoil.	
					Light brown sandy FILL; little gravel and cobbles.	
					4.0	
5					Same as interval above.	
					8.0	
					Same as above.	
10					10.0	
					Dark brown sandy FILL; little ash, glass.	
					12.0	
					Same as 10-12 interval above.	
					14.0	
15					Light brown SAND; little gravel.	
					16.0	
					Bottom of hole at 16.0 feet.	

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BORING NUMBER SB-28

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/17/12 **COMPLETED** 8/17/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.4 Concrete	
					Medium brown sandy FILL; little gravel and cobbles.	
					4.0	
5					Same as interval above.	
					8.0	
					Same as above.	
10					11.0	
					Dark brown sandy FILL; little ash, brick, stone, glass.	
					12.0	
					Same as 11-12 interval above.	
					14.0	
15					Light brown SAND; little gravel.	
					16.0	
					Bottom of hole at 16.0 feet.	

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BORING NUMBER SB-29

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/17/12 **COMPLETED** 8/17/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					Light brown sandy FILL; some brick, concrete, cobbles, gravel; ceramic.	
					4.0	
5					Same as above.	
					7.5	
					8.0 Dark brown sandy FILL; ash, brick, glass, cobbles, rock, gravel.	
10					Same as 7.5-8 interval above.	
					12.0	
					Medium brown SAND; some fines; little gravel.	
15					16.0	
					Bottom of hole at 16.0 feet.	

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BORING NUMBER SB-30

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/17/12 **COMPLETED** 8/17/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.4 Asphalt.	
					Medium brown sandy FILL; little gravel and cobbles.	
					4.0	
5					Same as interval above.	
					7.0	
					Dark brown sandy FILL; little ash, brick, stone, glass.	
					8.0	
					Dark brown sandy FILL; little ash, brick, stone, glass.	
10					11.0	
					Light brown SAND; little gravel.	
					12.0	
					Light brown SAND; little gravel.	
15					16.0	
					Bottom of hole at 16.0 feet.	

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BORING NUMBER SB-31

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/17/12 **COMPLETED** 8/17/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.4 Topsoil. Medium brown sandy FILL; little concrete, gravel and cobbles.	
					4.0 Same as interval above.	
5					5.5 Dark brown sandy FILL; little ash, brick, stone, glass.	
					8.0 Dark brown sandy FILL; little ash, brick, stone, glass.	
10					10.0 Light brown SAND; little gravel.	
					12.0 Light brown SAND; little gravel.	
15					16.0 Bottom of hole at 16.0 feet.	

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BORING NUMBER SB-32

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/17/12 **COMPLETED** 8/17/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.4 Topsoil. Medium brown sandy FILL; little concrete, gravel and cobbles.	
					4.0 Same as interval above.	
5					7.0 Dark brown sandy FILL; little ash.	
					8.0 Dark brown sandy FILL; considerable ash.	
10					11.0 Light brown SAND; little gravel.	
					12.0 Light brown SAND; little gravel.	
15					16.0 Bottom of hole at 16.0 feet.	

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BORING NUMBER SB-33

CLIENT Ansonia Housing Authority
PROJECT NAME Riverside Apartments
PROJECT NUMBER 12.110/001
PROJECT LOCATION Olson Drive, Ansonia, CT
DATE STARTED 8/17/12 **COMPLETED** 8/17/12
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Haz-Probe, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY NGP **CHECKED BY** WK
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.4 Topsoil. Medium brown sandy FILL; little concrete, gravel and cobbles.	
					4.0 Same as interval above.	
5					7.0 Dark brown sandy FILL; little ash, brick, concrete.	
					8.0 Dark brown sandy FILL; considerable ash. Little brick, concrete, glass.	
10					12.0 Same as 8-12 interval above.	
					13.0 Light brown SAND; little gravel.	
15					16.0 Bottom of hole at 16.0 feet.	

Jaime Lloret	**TEST BORING REPORT**	SHEET 1 OF 1
DRILLER Neil Payne	**ASSOCIATED BORINGS CO., INC.** **119 MARGARET CIRCLE, NAUGATUCK, CT 06770** **Tel (203) 729-5435 Fax (203) 729-5116**	CME-55
INSPECTOR	PROJECT NAME: Ansonia Housing Authority	DRILLING EQUIPMENT Payne Environmental LLC
SOILS ENGINEER	PROJECT NUMBER: Olson Drive	CLIENT
Surface Elevation:	LOCATION: Ansonia, Connecticut	

		Auger	Casing	Sampler	Core Bar	
Date Started: 8/16/2012						Hole No. **MW-1**
Date Finished: 8/16/2012	Type	HSA		SS	NQ-2	Line & Station
Groundwater Observations	Size I. D.	4 1/4 in		2 in		Offset
AT 19 ' AFTER 0 HRS	Hammer			140 lb	Bit	N Coordinate
AT ' AFTER HRS	Fall			30 in		E. Coordinate

DEPTH	Casing blows per foot	SAMPLE DEPTH IN FEET FROM - TO	NO.	PEN. INCH	REC. INCH	TYPE	BLOWS PER 6 INCHES ON SAMPLER 0 - 6	6 - 12	12-18	18-24	STRATA CHANGE: DEPTH, ELEV.	FIELD IDENTIFICATION OF SOIL, REMARKS (INCL. COLOR, LOSS OF WASH WATER, ETC.)
											0.6	Topsoil
												Dk. Br. M-F Sand and C-F Gravel, Cobbles (Fill)
5		5.0 - 7.0	1	24	2	D	3	8	3	3		
10		10.0 - 12.0	2	24	4	D	5	10	8	3	11	
												Gr. Br. M-F Sand, Tr. C-F Gravel
15		15.0 - 17.0	3	24	6	D	4	3	4	4		
20		20.0 - 22.0	4	24	3	D	27	7	5	5	20	
												Br. C-F Sand and C-F Gravel, Cobbles
											27	
												End of Boring - 27.0 WELL INSTALLED @ 27 FEET 10' 2" PVC SCREEN 17' 2" PVC RISER FLUSH PROTECTOR

From Ground Surface to Feet Used Inch Casing Then Inch Casing For Feet

Footage in Earth 27.0 Footage in Rock 0.0 No. of Samples 4 Hole No. **MW-1**

SAMPLE TYPE CODING: D = DRIVEN C = CORE A = AUGER UP = UNDISTURBED PISTON

PROPORTIONS USED: TRACE = 1-10% LITTLE = 10-20% SOME = 20-35% AND = 35-50%

Jaime Lloret	**TEST BORING REPORT**	SHEET 1 OF 1
DRILLER Neil Payne	**ASSOCIATED BORINGS CO., INC.** **119 MARGARET CIRCLE, NAUGATUCK, CT 06770** **Tel (203) 729-5435 Fax (203) 729-5116**	CME-55
INSPECTOR		DRILLING EQUIPMENT Payne Environmental LLC
	PROJECT NAME: Ansonia Housing Authority	
SOILS ENGINEER	PROJECT NUMBER: Olson Drive	CLIENT
Surface Elevation:	LOCATION: Ansonia, Connecticut	

Date Started: 8/16/2012		Auger	Casing	Sampler	Core Bar	Hole No. **MW-2**
Date Finished: 8/16/2012	Type	HSA		SS	NQ-2	Line & Station
Groundwater Observations	Size I. D.	4 1/4 in		2 in		Offset
AT 19 ' AFTER 0 HRS	Hammer			140 lb	Bit	N Coordinate
AT ' AFTER HRS	Fall			30 in		E. Coordinate

DEPTH	Casing blows per foot	SAMPLE DEPTH IN FEET FROM - TO	NO.	PEN. INCH	REC. INCH	TYPE	BLOWS PER 6 INCHES ON SAMPLER 0 - 6	6 - 12	12-18	18-24	STRATA CHANGE: DEPTH, ELEV.	FIELD IDENTIFICATION OF SOIL, REMARKS (INCL. COLOR, LOSS OF WASH WATER, ETC.)
											0.6	Topsoil
												Dk. Br. M-F Sand and C-F Gravel, Cobbles (Fill)
5		5.0 - 7.0	1	24	4	D	5	2	2	2		
10		10.0 - 12.0	2	24	4	D	17	10	12	12	11	
												Gr. Br. M-F Sand, Tr. C-F Gravel
15		15.0 - 17.0	3	24	0	D	3	5	4	2		
20		20.0 - 22.0	4	24	0	D	1	1	2	2		
25											27	
												End of Boring - 27.0
30												WELL INSTALLED @ 27 FEET 10' 2" PVC SCREEN 17' 2" PVC RISER FLUSH PROTECTOR
35												
40												

From Ground Surface to Feet Used Inch Casing Then Inch Casing For Feet

Footage in Earth 27.0 Footage in Rock 0.0 No. of Samples 4 Hole No. **MW-2**

SAMPLE TYPE CODING: D = DRIVEN C = CORE A = AUGER UP = UNDISTURBED PISTON

PROPORTIONS USED: TRACE = 1-10% LITTLE = 10-20% SOME = 20-35% AND = 35-50%

Jaime Lloret	**TEST BORING REPORT**	SHEET 1 OF 1
DRILLER Neil Payne	**ASSOCIATED BORINGS CO., INC.** **119 MARGARET CIRCLE, NAUGATUCK, CT 06770** **Tel (203) 729-5435 Fax (203) 729-5116**	CME-55
INSPECTOR		DRILLING EQUIPMENT Payne Environmental LLC
	PROJECT NAME: Ansonia Housing Authority	
SOILS ENGINEER	PROJECT NUMBER: Olson Drive	CLIENT
Surface Elevation:	LOCATION: Ansonia, Connecticut	

		Auger	Casing	Sampler	Core Bar	
Date Started: 8/16/2012						Hole No. **MW-3**
Date Finished: 8/16/2012	Type	HSA		SS	NQ-2	Line & Station
Groundwater Observations	Size I. D.	4 1/4 in		2 in		Offset
AT 23 ' AFTER 0 HRS	Hammer			140 lb	Bit	N Coordinate
AT ' AFTER HRS	Fall			30 in		E. Coordinate

DEPTH	Casing blows per foot	SAMPLE DEPTH IN FEET FROM - TO	NO.	PEN. INCH	REC. INCH	TYPE	BLOWS PER 6 INCHES ON SAMPLER 0 - 6	6 - 12	12-18	18-24	STRATA CHANGE: DEPTH, ELEV.	FIELD IDENTIFICATION OF SOIL, REMARKS (INCL. COLOR, LOSS OF WASH WATER, ETC.)
											0.6	Topsoil
												Dk. Br. M-F Sand and C-F Gravel, Cobbles (Fill)
5		5.0 - 7.0	1	24	6	D	10	12	15	21		
10		10.0 - 12.0	2	24	6	D	8	9	7	3		
15		15.0 - 17.0	3	24	6	D	7	8	10	22		
20		20.0 - 22.0	4	24	4	D	4	5	4	3		
											24	
25												Br. C-F Sand and C-F Gravel
30											30	
												End of Boring - 30.0
												WELL INSTALLED @ 30 FEET
35												10' 2" PVC SCREEN 20' 2" PVC RISER FLUSH PROTECTOR
40												

From Ground Surface to Feet Used Inch Casing Then Inch Casing For Feet

Footage in Earth 30.0 Footage in Rock 0.0 No. of Samples 4 Hole No. **MW-3**

SAMPLE TYPE CODING: D = DRIVEN C = CORE A = AUGER UP = UNDISTURBED PISTON

PROPORTIONS USED: TRACE = 1-10% LITTLE = 10-20% SOME = 20-35% AND = 35-50%

Jaime Lloret	**TEST BORING REPORT**	SHEET 1 OF 1
DRILLER Neil Payne	**ASSOCIATED BORINGS CO., INC.** **119 MARGARET CIRCLE, NAUGATUCK, CT 06770** **Tel (203) 729-5435 Fax (203) 729-5116**	CME-55
INSPECTOR		DRILLING EQUIPMENT Payne Environmental LLC
	PROJECT NAME: Ansonia Housing Authority	
SOILS ENGINEER	PROJECT NUMBER: Olson Drive	CLIENT
Surface Elevation:	LOCATION: Ansonia, Connecticut	

Date Started: 8/17/2012		Auger	Casing	Sampler	Core Bar	Hole No. **MW-4**
Date Finished: 8/17/2012	Type	HSA		SS	NQ-2	Line & Station
Groundwater Observations	Size I. D.	4 1/4 in		2 in		Offset
AT 23 ' AFTER 0 HRS	Hammer			140 lb	Bit	N Coordinate
AT ' AFTER HRS	Fall			30 in		E. Coordinate

DEPTH	Casing blows per foot	SAMPLE DEPTH IN FEET FROM - TO	NO.	PEN. INCH	REC. INCH	TYPE	BLOWS PER 6 INCHES ON SAMPLER 0 - 6	6 - 12	12-18	18-24	STRATA CHANGE: DEPTH, ELEV.	FIELD IDENTIFICATION OF SOIL, REMARKS (INCL. COLOR, LOSS OF WASH WATER, ETC.)
											0.6	Topsoil
												Dk. Br. M-F Sand and C-F Gravel, Cobbles (Fill)
5		5.0 - 7.0	1	24	6	D	7	20	14	10		
10		10.0 - 12.0	2	24	4	D	12	5	3	3	10	
												Blk. M-F Sand and C-F Gravel, Ash
15		15.0 - 17.0	3	24	0	D	8	8	5	4		
20		20.0 - 22.0	4	24	6	D	5	7	9	9	20	
												Br. C-F Sand
30											30	
												End of Boring - 30.0 WELL INSTALLED @ 30 FEET 10' 2" PVC SCREEN 20' 2" PVC RISER FLUSH PROTECTOR
40												

From Ground Surface to Feet Used Inch Casing Then Inch Casing For Feet

Footage in Earth 30.0 Footage in Rock 0.0 No. of Samples 4 Hole No. **MW-4**

SAMPLE TYPE CODING: D = DRIVEN C = CORE A = AUGER UP = UNDISTURBED PISTON

PROPORTIONS USED: TRACE = 1-10% LITTLE = 10-20% SOME = 20-35% AND = 35-50%

Jaime Lloret	**TEST BORING REPORT**	SHEET 1 OF 1
DRILLER Neil Payne	**ASSOCIATED BORINGS CO., INC.** **119 MARGARET CIRCLE, NAUGATUCK, CT 06770** **Tel (203) 729-5435 Fax (203) 729-5116**	CME-55
INSPECTOR		DRILLING EQUIPMENT Payne Environmental LLC
	PROJECT NAME: Ansonia Housing Authority	
SOILS ENGINEER	PROJECT NUMBER: Olson Drive	CLIENT
Surface Elevation:	LOCATION: Ansonia, Connecticut	

Date Started: 8/17/2012		Auger	Casing	Sampler	Core Bar	Hole No. **MW-5**
Date Finished: 8/17/2012	Type	HSA		SS	NQ-2	Line & Station
Groundwater Observations	Size I. D.	4 1/4 in		2 in		Offset
AT 23 ' AFTER 0 HRS	Hammer			140 lb	Bit	N Coordinate
AT ' AFTER HRS	Fall			30 in		E. Coordinate

DEPTH	Casing blows per foot	SAMPLE DEPTH IN FEET FROM - TO	NO.	PEN. INCH	REC. INCH	TYPE	BLOWS PER 6 INCHES ON SAMPLER 0 - 6	6 - 12	12-18	18-24	STRATA CHANGE: DEPTH, ELEV.	FIELD IDENTIFICATION OF SOIL, REMARKS (INCL. COLOR, LOSS OF WASH WATER, ETC.)
											0.6	Topsoil
												Dk. Br. M-F Sand and C-F Gravel, Cobbles (Fill)
5		5.0 - 7.0	1	24	6	D	10	8	7	7		
10		10.0 - 12.0	2	24	3	D	2	1	1	1	10	
												Blk. M-F Sand and C-F Gravel, Ash
15		15.0 - 17.0	3	24	12	D	5	8	6	8	15	
												Br. M-F Sand
20		20.0 - 22.0	4	24	4	D	7	8	5	4	20	
												Br. C-F Sand and C-F Gravel
30											30	
												End of Boring - 30.0 WELL INSTALLED @ 29 FEET 10' 2" PVC SCREEN 19' 2" PVC RISER FLUSH PROTECTOR
40												

From Ground Surface to Feet Used Inch Casing Then Inch Casing For Feet

Footage in Earth 30.0 Footage in Rock 0.0 No. of Samples 4 Hole No. **MW-5**

SAMPLE TYPE CODING: D = DRIVEN C = CORE A = AUGER UP = UNDISTURBED PISTON

PROPORTIONS USED: TRACE = 1-10% LITTLE = 10-20% SOME = 20-35% AND = 35-50%

ATTACHMENT D

LABORATORY DATA & CHAIN OF CUSTODY DOCUMENTATION

Report Date:
14-Sep-12 14:00

☐ Final Report
☐ Re-Issued Report
☑ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Payne Environmental, LLC
85 Willow Street
New Haven, CT 06511
Attn: Neil Payne

Project: Riverside Apts - Ansonia, CT
Project #: 12.110/001

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB54882-01	SB-15 (2-4)	Soil	16-Aug-12 09:20	21-Aug-12 14:40
SB54882-02	SB-15 (5-7)	Soil	16-Aug-12 09:25	21-Aug-12 14:40
SB54882-03	SB-16 (1-3)	Soil	16-Aug-12 09:45	21-Aug-12 14:40
SB54882-04	SB-16 (8-12)	Soil	16-Aug-12 09:55	21-Aug-12 14:40
SB54882-05	HA-1 (0-1)	Soil	16-Aug-12 10:25	21-Aug-12 14:40
SB54882-06	SB-17 (1-3)	Soil	16-Aug-12 10:35	21-Aug-12 14:40
SB54882-07	SB-17 (13-15)	Soil	16-Aug-12 10:50	21-Aug-12 14:40
SB54882-08	SB-18 (2-4)	Soil	16-Aug-12 11:05	21-Aug-12 14:40
SB54882-09	SB-18 (6-8)	Soil	16-Aug-12 11:08	21-Aug-12 14:40
SB54882-10	SB-19 (1-3)	Soil	16-Aug-12 11:20	21-Aug-12 14:40
SB54882-11	SB-19 (6-8)	Soil	16-Aug-12 11:25	21-Aug-12 14:40
SB54882-12	SB-20 (10-12)	Soil	16-Aug-12 11:50	21-Aug-12 14:40
SB54882-13	SB-21 (0-2)	Soil	16-Aug-12 13:05	21-Aug-12 14:40
SB54882-14	SB-21 (10-12)	Soil	16-Aug-12 13:15	21-Aug-12 14:40
SB54882-15	SB-22 (1-3)	Soil	16-Aug-12 13:25	21-Aug-12 14:40
SB54882-16	SB-22 (14-15)	Soil	16-Aug-12 13:40	21-Aug-12 14:40
SB54882-17	SB-23 (1-3)	Soil	16-Aug-12 14:05	21-Aug-12 14:40
SB54882-18	SB-23 (8-10)	Soil	16-Aug-12 14:15	21-Aug-12 14:40
SB54882-19	SB-24 (8-10)	Soil	16-Aug-12 14:40	21-Aug-12 14:40
SB54882-20	SB-24A (8-10)	Soil	16-Aug-12 14:40	21-Aug-12 14:40
SB54882-21	SB-25 (0-2)	Soil	17-Aug-12 08:20	21-Aug-12 14:40
SB54882-22	SB-25 (6-8)	Soil	17-Aug-12 08:25	21-Aug-12 14:40
SB54882-23	SB-26 (1-3)	Soil	17-Aug-12 08:50	21-Aug-12 14:40
SB54882-24	SB-26 (10-12)	Soil	17-Aug-12 09:00	21-Aug-12 14:40
SB54882-25	SB-27 (0-2)	Soil	17-Aug-12 09:45	21-Aug-12 14:40
SB54882-26	SB-27 (12-14)	Soil	17-Aug-12 10:00	21-Aug-12 14:40
SB54882-27	SB-28 (1-3)	Soil	17-Aug-12 10:03	21-Aug-12 14:40
SB54882-28	SB-28 (12-14)	Soil	17-Aug-12 10:18	21-Aug-12 14:40
SB54882-29	SB-29 (0-2)	Soil	17-Aug-12 10:20	21-Aug-12 14:40
SB54882-30	SB-29 (10-12)	Soil	17-Aug-12 10:30	21-Aug-12 14:40
SB54882-31	SB-29A (10-12)	Soil	17-Aug-12 10:30	21-Aug-12 14:40
SB54882-32	SB-30 (1-3)	Soil	17-Aug-12 11:00	21-Aug-12 14:40
SB54882-33	SB-30 (7-9)	Soil	17-Aug-12 11:10	21-Aug-12 14:40
SB54882-34	SB-31 (0-2)	Soil	17-Aug-12 12:30	21-Aug-12 14:40
SB54882-35	SB-31 (6-8)	Soil	17-Aug-12 12:35	21-Aug-12 14:40
SB54882-36	SB-32 (0-2)	Soil	17-Aug-12 12:50	21-Aug-12 14:40
SB54882-37	SB-32 (5-7)	Soil	17-Aug-12 12:55	21-Aug-12 14:40

SB54882-38	SB-32 (9-11)	Soil	17-Aug-12 13:00	21-Aug-12 14:40
SB54882-39	SB-33 (0-2)	Soil	17-Aug-12 13:20	21-Aug-12 14:40
SB54882-40	SB-33 (10-12)	Soil	17-Aug-12 13:30	21-Aug-12 14:40
SB54882-41	B-1/MW-1 (5-7)	Soil	16-Aug-12 10:30	21-Aug-12 14:40
SB54882-42	B-2/MW-2 (5-7)	Soil	16-Aug-12 13:00	21-Aug-12 14:40
SB54882-43	B-3/MW-3 (5-7)	Soil	17-Aug-12 09:00	21-Aug-12 14:40
SB54882-44	B-4/MW-4 (5-7)	Soil	17-Aug-12 11:00	21-Aug-12 14:40
SB54882-45	B-5/MW-5 (5-7)	Soil	17-Aug-12 13:00	21-Aug-12 14:40

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 refer to our website for specific certification holdings in each state.
Please note that this report contains 110 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).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: Payne Environmental, LLC - New Haven, CT

Project Location: Riverside Apts - Ansonia, CT

Project Number: 12.110/001

Sampling Date(s):
8/16/2012 through 8/17/2012

Laboratory Sample ID(s):
SB54882-01 through SB54882-45

RCP Methods Used:

CT ETPH
SW846 1312
SW846 1312/6010C
SW846 6010C
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?	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: 9/14/2012

CASE NARRATIVE:

The samples were received 2.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 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 "<" (less than) 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.

For this work order, the reporting limits have not been referenced or specified.

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

CT ETPH

Spikes:

1220660-MSD1 *Source: SB54882-37*

RPD out of acceptance range.

C9-C36 Aliphatic Hydrocarbons

Samples:

S210454-CCV1

Analyte percent difference is outside individual acceptance criteria (30), but within overall method allowances.

n-Nonane (-31.8%)

This affected the following samples:

1220656-BLK1

S210454-CCV2

Analyte percent difference is outside individual acceptance criteria (30), but within overall method allowances.

n-Hexatriacontane (49.7%)

This affected the following samples:

1220656-BLK1

SB54882-02 *SB-15 (5-7)*

CT ETPH

Samples:

SB54882-02 *SB-15 (5-7)*

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

SB54882-05 *HA-1 (0-1)*

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

SB54882-11 *SB-19 (6-8)*

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

SB54882-14 *SB-21 (10-12)*

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

SB54882-28 *SB-28 (12-14)*

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

SB54882-33 *SB-30 (7-9)*

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

SB54882-39 *SB-33 (0-2)*

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

SB54882-40 *SB-33 (10-12)*

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

SB54882-45 *B-5/MW-5 (5-7)*

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

SW846 6010C

Spikes:

1220369-MS1 *Source: SB54882-13*

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

Arsenic

1220369-MSD1 *Source: SB54882-13*

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

Arsenic

1220374-MSD1 *Source: SB54882-35*

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Lead

Duplicates:

SW846 6010C

Duplicates:

1220369-DUP1 *Source: SB54882-13*

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

Arsenic

1220371-DUP1 *Source: SB54882-34*

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

Arsenic

1220374-DUP1 *Source: SB54882-35*

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

Arsenic

SW846 8082A

Samples:

SB54882-02 *SB-15 (5-7)*

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

Decachlorobiphenyl (Sr)

SB54882-05 *HA-1 (0-1)*

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

Decachlorobiphenyl (Sr)

SB54882-06 *SB-17 (1-3)*

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

Decachlorobiphenyl (Sr)

SB54882-07 *SB-17 (13-15)*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254

SB54882-10 *SB-19 (1-3)*

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

Decachlorobiphenyl (Sr)

SB54882-11 *SB-19 (6-8)*

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

Decachlorobiphenyl (Sr)

SB54882-13 *SB-21 (0-2)*

SW846 8082A

Samples:

SB54882-13 *SB-21 (0-2)*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254

SB54882-39 *SB-33 (0-2)*

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

Decachlorobiphenyl (Sr)

SB54882-45 *B-5/MW-5 (5-7)*

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

Decachlorobiphenyl (Sr)

SW846 8270D

Spikes:

1220628-MS1 *Source: SB54882-22*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Benzo (g,h,i) perylene
Indeno (1,2,3-cd) pyrene

1220628-MSD1 *Source: SB54882-22*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Benzo (g,h,i) perylene
Benzo (k) fluoranthene

Duplicates:

1220628-DUP1 *Source: SB54882-22*

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

Benzo (a) pyrene
Phenanthrene

Samples:

S210572-CCV1

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

Benzo (a) anthracene (-25.8%)
Chrysene (32.2%)

This affected the following samples:

SB-32 (9-11)
SB-33 (10-12)

SW846 8270D

Samples:

S210630-CCV1

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

Benzo (b) fluoranthene (26.5%)
Benzo (k) fluoranthene (-31.5%)

This affected the following samples:

1220628-BLK1
1220628-BS1
1220628-DUP1
1220628-MS1
1220628-MSD1
SB-22 (14-15)
SB-23 (8-10)
SB-24 (8-10)
SB-24A (8-10)
SB-25 (6-8)
SB-26 (10-12)
SB-27 (12-14)
SB-28 (12-14)
SB-29 (10-12)
SB-29A (10-12)
SB-30 (7-9)
SB-31 (6-8)
SB-32 (5-7)

SB54882-02 *SB-15 (5-7)*

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

SB54882-11 *SB-19 (6-8)*

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

SB54882-14 *SB-21 (10-12)*

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

SB54882-28 *SB-28 (12-14)*

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
SB-15 (2-4)	12.110/001	Soil	16-Aug-12 09:20	21-Aug-12
SB54882-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.6		µg/kg dry	20.6	10.3	1	SW846 8082A	22-Aug-12	24-Aug-12	IMR	1220188	X
11104-28-2	Aroclor-1221	< 20.6		µg/kg dry	20.6	18.5	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	7.88	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	6.46	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)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**3.79**		mg/kg dry	1.33	0.442	1	SW846 6010C	29-Aug-12	31-Aug-12	TBC	1220369	X
7439-92-1	Lead	**43.9**		mg/kg dry	1.33	0.136	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**94.7**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-15 (5-7)	12.110/001	Soil	16-Aug-12 09:25	21-Aug-12
SB54882-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs			R01										
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 869		µg/kg dry	869	96.8	5	SW846 8270D	27-Aug-12	31-Aug-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 869		µg/kg dry	869	98.3	5	"	"	"	"	"	X
120-12-7	Anthracene	< 869		µg/kg dry	869	101	5	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 869		µg/kg dry	869	99.9	5	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**1,070**		µg/kg dry	869	113	5	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 869		µg/kg dry	869	104	5	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 869		µg/kg dry	869	132	5	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**874**		µg/kg dry	869	152	5	"	"	"	"	"	X
218-01-9	Chrysene	**897**		µg/kg dry	869	102	5	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 869		µg/kg dry	869	119	5	"	"	"	"	"	X
206-44-0	Fluoranthene	**1,020**		µg/kg dry	869	157	5	"	"	"	"	"	X
86-73-7	Fluorene	< 869		µg/kg dry	869	109	5	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 869		µg/kg dry	869	159	5	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 869		µg/kg dry	869	126	5	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 869		µg/kg dry	869	101	5	"	"	"	"	"	X
91-20-3	Naphthalene	< 869		µg/kg dry	869	86.9	5	"	"	"	"	"	X
85-01-8	Phenanthrene	< 869		µg/kg dry	869	96.8	5	"	"	"	"	"	X
129-00-0	Pyrene	**1,200**		µg/kg dry	869	173	5	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*55*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*67*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.0		µg/kg dry	21.0	10.5	1	SW846 8082A	22-Aug-12	24-Aug-12	IMR	1220188	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	< 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	8.04	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)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*195*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons			R01										
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 55.0		mg/kg dry	55.0	2.8	2	CT ETPH	27-Aug-12	31-Aug-12	SEW	1220610	
68476-30-2	Fuel Oil #2	< 55.0		mg/kg dry	55.0	5.5	2	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-15 (5-7)	12.110/001	Soil	16-Aug-12 09:25	21-Aug-12
SB54882-02				

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 3550C			R01										
68476-31-3	Fuel Oil #4	< 55.0		mg/kg dry	55.0	5.5	2	CT ETPH	27-Aug-12	31-Aug-12	SEW	1220610	
68553-00-4	Fuel Oil #6	< 55.0		mg/kg dry	55.0	13.8	2	"	"	"	"	"	
M09800000	Motor Oil	< 55.0		mg/kg dry	55.0	5.5	2	"	"	"	"	"	
J00100000	Aviation Fuel	< 55.0		mg/kg dry	55.0	13.8	2	"	"	"	"	"	
	Unidentified	**525**		mg/kg dry	55.0	13.8	2	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	55.0	5.5	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**525**		mg/kg dry	55.0	5.5	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**525**		mg/kg dry	55.0	4.3	2	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*101*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**4.19**		mg/kg dry	1.37	0.456	1	SW846 6010C	29-Aug-12	31-Aug-12	TBC	1220369	X
7439-92-1	Lead	**22.0**		mg/kg dry	1.37	0.141	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**94.7**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-16 (1-3)	12.110/001	Soil	16-Aug-12 09:45	21-Aug-12
SB54882-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 19.4		µg/kg dry	19.4	9.72	1	SW846 8082A	22-Aug-12	24-Aug-12	IMR	1220188	X
11104-28-2	Aroclor-1221	< 19.4		µg/kg dry	19.4	17.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.4		µg/kg dry	19.4	12.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19.4		µg/kg dry	19.4	11.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 19.4		µg/kg dry	19.4	9.54	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 19.4		µg/kg dry	19.4	14.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 19.4		µg/kg dry	19.4	8.68	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.4		µg/kg dry	19.4	18.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19.4		µg/kg dry	19.4	6.11	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**3.37**		mg/kg dry	1.39	0.463	1	SW846 6010C	29-Aug-12	31-Aug-12	TBC	1220369	X
7439-92-1	Lead	**61.3**		mg/kg dry	1.39	0.143	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**94.3**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-16 (8-12)	12.110/001	Soil	16-Aug-12 09:55	21-Aug-12
SB54882-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 188		µg/kg dry	188	21.0	1	SW846 8270D	27-Aug-12	31-Aug-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 188		µg/kg dry	188	21.3	1	"	"	"	"	"	X
120-12-7	Anthracene	< 188		µg/kg dry	188	21.9	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 188		µg/kg dry	188	21.6	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**267**		µg/kg dry	188	24.6	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**203**		µg/kg dry	188	22.4	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 188		µg/kg dry	188	28.5	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**281**		µg/kg dry	188	32.9	1	"	"	"	"	"	X
218-01-9	Chrysene	**289**		µg/kg dry	188	22.2	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 188		µg/kg dry	188	25.7	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**330**		µg/kg dry	188	34.0	1	"	"	"	"	"	X
86-73-7	Fluorene	< 188		µg/kg dry	188	23.7	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 188		µg/kg dry	188	34.4	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 188		µg/kg dry	188	27.3	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 188		µg/kg dry	188	22.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 188		µg/kg dry	188	18.8	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**202**		µg/kg dry	188	21.0	1	"	"	"	"	"	X
129-00-0	Pyrene	**324**		µg/kg dry	188	37.4	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*51*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*63*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.6		µg/kg dry	21.6	10.8	1	SW846 8082A	22-Aug-12	24-Aug-12	IMR	1220188	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)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 29.4		mg/kg dry	29.4	1.5	1	CT ETPH	27-Aug-12	29-Aug-12	SEW	1220610	
68476-30-2	Fuel Oil #2	< 29.4		mg/kg dry	29.4	2.9	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-16 (8-12)	12.110/001	Soil	16-Aug-12 09:55	21-Aug-12
SB54882-04				

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 3550C													
68476-31-3	Fuel Oil #4	< 29.4		mg/kg dry	29.4	2.9	1	CT ETPH	27-Aug-12	29-Aug-12	SEW	1220610	
68553-00-4	Fuel Oil #6	< 29.4		mg/kg dry	29.4	7.3	1	"	"	"	"	"	
M09800000	Motor Oil	< 29.4		mg/kg dry	29.4	2.9	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 29.4		mg/kg dry	29.4	7.3	1	"	"	"	"	"	
	Unidentified	**102**		mg/kg dry	29.4	7.3	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	29.4	2.9	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**102**		mg/kg dry	29.4	2.9	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**102**		mg/kg dry	29.4	2.3	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*90*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**6.95**		mg/kg dry	1.51	0.501	1	SW846 6010C	29-Aug-12	31-Aug-12	TBC	1220369	X
7439-92-1	Lead	**149**		mg/kg dry	1.51	0.155	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**88.0**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-1 (0-1)	12.110/001	Soil	16-Aug-12 10:25	21-Aug-12
SB54882-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.5		µg/kg dry	20.5	10.2	1	SW846 8082A	22-Aug-12	24-Aug-12	IMR	1220188	X
11104-28-2	Aroclor-1221	< 20.5		µg/kg dry	20.5	18.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.5		µg/kg dry	20.5	13.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.5		µg/kg dry	20.5	12.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.5		µg/kg dry	20.5	10.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.5		µg/kg dry	20.5	15.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.5		µg/kg dry	20.5	7.86	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.5		µg/kg dry	20.5	19.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.5		µg/kg dry	20.5	6.44	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*175*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3550C			R01										
8006-61-9	Gasoline	< 134		mg/kg dry	134	6.7	5	CT ETPH	27-Aug-12	31-Aug-12	SEW	1220610	
68476-30-2	Fuel Oil #2	< 134		mg/kg dry	134	13.4	5	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 134		mg/kg dry	134	13.4	5	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 134		mg/kg dry	134	33.5	5	"	"	"	"	"	
M09800000	Motor Oil	< 134		mg/kg dry	134	13.4	5	"	"	"	"	"	
J00100000	Aviation Fuel	< 134		mg/kg dry	134	33.5	5	"	"	"	"	"	
	Unidentified	**799**		mg/kg dry	134	33.5	5	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	134	13.4	5	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**799**		mg/kg dry	134	13.4	5	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**799**		mg/kg dry	134	10.5	5	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*89*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	< 1.45		mg/kg dry	1.45	0.482	1	SW846 6010C	29-Aug-12	31-Aug-12	TBC	1220369	X
7439-92-1	Lead	**64.7**		mg/kg dry	1.45	0.149	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**95.3**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-17 (1-3)	12.110/001	Soil	16-Aug-12 10:35	21-Aug-12
SB54882-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 19.5		µg/kg dry	19.5	9.73	1	SW846 8082A	22-Aug-12	24-Aug-12	IMR	1220188	X
11104-28-2	Aroclor-1221	< 19.5		µg/kg dry	19.5	17.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.5		µg/kg dry	19.5	12.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19.5		µg/kg dry	19.5	11.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 19.5		µg/kg dry	19.5	9.56	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 19.5		µg/kg dry	19.5	14.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**116**		µg/kg dry	19.5	7.47	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.5		µg/kg dry	19.5	18.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19.5		µg/kg dry	19.5	6.12	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*155*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 27.1		mg/kg dry	27.1	1.4	1	CT ETPH	27-Aug-12	29-Aug-12	SEW	1220610	
68476-30-2	Fuel Oil #2	< 27.1		mg/kg dry	27.1	2.7	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 27.1		mg/kg dry	27.1	2.7	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 27.1		mg/kg dry	27.1	6.8	1	"	"	"	"	"	
M09800000	Motor Oil	< 27.1		mg/kg dry	27.1	2.7	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 27.1		mg/kg dry	27.1	6.8	1	"	"	"	"	"	
	Unidentified	**81.7**		mg/kg dry	27.1	6.8	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	27.1	2.7	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**81.7**		mg/kg dry	27.1	2.7	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**81.7**		mg/kg dry	27.1	2.1	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*75*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**4.93**		mg/kg dry	1.41	0.470	1	SW846 6010C	29-Aug-12	31-Aug-12	TBC	1220369	X
7439-92-1	Lead	**82.5**		mg/kg dry	1.41	0.145	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**93.9**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-17 (13-15)	12.110/001	Soil	16-Aug-12 10:50	21-Aug-12
SB54882-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 184		µg/kg dry	184	20.5	1	SW846 8270D	27-Aug-12	31-Aug-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 184		µg/kg dry	184	20.8	1	"	"	"	"	"	X
120-12-7	Anthracene	< 184		µg/kg dry	184	21.4	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**254**		µg/kg dry	184	21.1	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**323**		µg/kg dry	184	24.0	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**233**		µg/kg dry	184	21.9	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 184		µg/kg dry	184	27.9	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**289**		µg/kg dry	184	32.1	1	"	"	"	"	"	X
218-01-9	Chrysene	**330**		µg/kg dry	184	21.7	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 184		µg/kg dry	184	25.1	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**733**		µg/kg dry	184	33.2	1	"	"	"	"	"	X
86-73-7	Fluorene	< 184		µg/kg dry	184	23.1	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 184		µg/kg dry	184	33.6	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 184		µg/kg dry	184	26.6	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 184		µg/kg dry	184	21.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 184		µg/kg dry	184	18.4	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**481**		µg/kg dry	184	20.5	1	"	"	"	"	"	X
129-00-0	Pyrene	**675**		µg/kg dry	184	36.6	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*63*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*72*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 43.2	R01	µg/kg dry	43.2	21.6	1	SW846 8082A	22-Aug-12	24-Aug-12	IMR	1220188	X
11104-28-2	Aroclor-1221	< 43.2	R01	µg/kg dry	43.2	38.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 43.2	R01	µg/kg dry	43.2	27.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 43.2	R01	µg/kg dry	43.2	25.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 43.2	R01	µg/kg dry	43.2	21.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 43.2	R01	µg/kg dry	43.2	31.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.6		µg/kg dry	21.6	8.29	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)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 28.8		mg/kg dry	28.8	1.4	1	CT ETPH	27-Aug-12	29-Aug-12	SEW	1220610	
68476-30-2	Fuel Oil #2	< 28.8		mg/kg dry	28.8	2.9	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-17 (13-15)	12.110/001	Soil	16-Aug-12 10:50	21-Aug-12
SB54882-07				

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 3550C													
68476-31-3	Fuel Oil #4	< 28.8		mg/kg dry	28.8	2.9	1	CT ETPH	27-Aug-12	29-Aug-12	SEW	1220610	
68553-00-4	Fuel Oil #6	< 28.8		mg/kg dry	28.8	7.2	1	"	"	"	"	"	
M09800000	Motor Oil	< 28.8		mg/kg dry	28.8	2.9	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 28.8		mg/kg dry	28.8	7.2	1	"	"	"	"	"	
	Unidentified	**90.4**		mg/kg dry	28.8	7.2	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	28.8	2.9	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**90.4**		mg/kg dry	28.8	2.9	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**90.4**		mg/kg dry	28.8	2.2	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*90*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**6.65**		mg/kg dry	1.55	0.515	1	SW846 6010C	29-Aug-12	31-Aug-12	TBC	1220369	X
7439-92-1	Lead	**97.4**		mg/kg dry	1.55	0.159	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**88.6**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-18 (2-4)	12.110/001	Soil	16-Aug-12 11:05	21-Aug-12
SB54882-08				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.6		µg/kg dry	21.6	10.8	1	SW846 8082A	22-Aug-12	24-Aug-12	IMR	1220188	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	83.3		µg/kg dry	21.6	8.29	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.6		µg/kg dry	21.6	20.2	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)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	3.59		mg/kg dry	1.68	0.560	1	SW846 6010C	29-Aug-12	31-Aug-12	TBC	1220369	X
7439-92-1	Lead	45.6		mg/kg dry	1.68	0.173	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	89.1		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-18 (6-8)	12.110/001	Soil	16-Aug-12 11:08	21-Aug-12
SB54882-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 171		µg/kg dry	171	19.1	1	SW846 8270D	27-Aug-12	31-Aug-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 171		µg/kg dry	171	19.4	1	"	"	"	"	"	X
120-12-7	Anthracene	**291**		µg/kg dry	171	19.9	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**535**		µg/kg dry	171	19.7	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**646**		µg/kg dry	171	22.3	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**492**		µg/kg dry	171	20.4	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	**282**		µg/kg dry	171	25.9	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**552**		µg/kg dry	171	29.9	1	"	"	"	"	"	X
218-01-9	Chrysene	**684**		µg/kg dry	171	20.2	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 171		µg/kg dry	171	23.4	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**1,500**		µg/kg dry	171	30.9	1	"	"	"	"	"	X
86-73-7	Fluorene	< 171		µg/kg dry	171	21.5	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	**320**		µg/kg dry	171	31.2	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 171		µg/kg dry	171	24.8	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 171		µg/kg dry	171	20.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 171		µg/kg dry	171	17.1	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**1,090**		µg/kg dry	171	19.1	1	"	"	"	"	"	X
129-00-0	Pyrene	**1,360**		µg/kg dry	171	34.0	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*65*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*79*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 19.8		µg/kg dry	19.8	9.91	1	SW846 8082A	22-Aug-12	24-Aug-12	IMR	1220188	X
11104-28-2	Aroclor-1221	< 19.8		µg/kg dry	19.8	17.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.8		µg/kg dry	19.8	12.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19.8		µg/kg dry	19.8	11.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**133**		µg/kg dry	19.8	8.04	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 19.8		µg/kg dry	19.8	14.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**564**		µg/kg dry	19.8	7.60	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.8		µg/kg dry	19.8	18.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19.8		µg/kg dry	19.8	6.23	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 26.8		mg/kg dry	26.8	1.3	1	CT ETPH	27-Aug-12	30-Aug-12	SEW	1220610	
68476-30-2	Fuel Oil #2	< 26.8		mg/kg dry	26.8	2.7	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-18 (6-8)	12.110/001	Soil	16-Aug-12 11:08	21-Aug-12
SB54882-09				

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 3550C													
68476-31-3	Fuel Oil #4	< 26.8		mg/kg dry	26.8	2.7	1	CT ETPH	27-Aug-12	30-Aug-12	SEW	1220610	
68553-00-4	Fuel Oil #6	< 26.8		mg/kg dry	26.8	6.7	1	"	"	"	"	"	
M09800000	Motor Oil	< 26.8		mg/kg dry	26.8	2.7	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 26.8		mg/kg dry	26.8	6.7	1	"	"	"	"	"	
	Unidentified	**66.8**		mg/kg dry	26.8	6.7	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	26.8	2.7	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**66.8**		mg/kg dry	26.8	2.7	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**66.8**		mg/kg dry	26.8	2.1	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*55*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**2.91**		mg/kg dry	1.51	0.502	1	SW846 6010C	29-Aug-12	31-Aug-12	TBC	1220369	X
7439-92-1	Lead	**105**		mg/kg dry	1.51	0.155	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**97.0**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-19 (1-3)	12.110/001	Soil	16-Aug-12 11:20	21-Aug-12
SB54882-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.3		µg/kg dry	21.3	10.6	1	SW846 8082A	22-Aug-12	24-Aug-12	IMR	1220188	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	12.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.3		µg/kg dry	21.3	10.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.3		µg/kg dry	21.3	15.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**69.2**		µg/kg dry	21.3	8.16	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.3		µg/kg dry	21.3	19.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.3		µg/kg dry	21.3	6.68	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*185*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**3.99**		mg/kg dry	1.54	0.512	1	SW846 6010C	29-Aug-12	31-Aug-12	TBC	1220369	X
7439-92-1	Lead	**71.9**		mg/kg dry	1.54	0.158	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**89.9**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-19 (6-8)	12.110/001	Soil	16-Aug-12 11:25	21-Aug-12
SB54882-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs			R01										
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 1770		µg/kg dry	1770	198	10	SW846 8270D	27-Aug-12	04-Sep-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 1770		µg/kg dry	1770	201	10	"	"	"	"	"	X
120-12-7	Anthracene	< 1770		µg/kg dry	1770	206	10	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**2,280**		µg/kg dry	1770	204	10	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**3,850**		µg/kg dry	1770	232	10	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**3,070**		µg/kg dry	1770	211	10	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	**3,250**		µg/kg dry	1770	269	10	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**3,810**		µg/kg dry	1770	310	10	"	"	"	"	"	X
218-01-9	Chrysene	**2,270**		µg/kg dry	1770	209	10	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 1770		µg/kg dry	1770	242	10	"	"	"	"	"	X
206-44-0	Fluoranthene	**3,280**		µg/kg dry	1770	321	10	"	"	"	"	"	X
86-73-7	Fluorene	< 1770		µg/kg dry	1770	223	10	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	**3,300**		µg/kg dry	1770	324	10	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 1770		µg/kg dry	1770	257	10	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 1770		µg/kg dry	1770	207	10	"	"	"	"	"	X
91-20-3	Naphthalene	< 1770		µg/kg dry	1770	177	10	"	"	"	"	"	X
85-01-8	Phenanthrene	< 1770		µg/kg dry	1770	198	10	"	"	"	"	"	X
129-00-0	Pyrene	**3,110**		µg/kg dry	1770	353	10	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*61*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*69*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.7		µg/kg dry	20.7	10.3	1	SW846 8082A	22-Aug-12	24-Aug-12	IMR	1220188	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	15.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.7		µg/kg dry	20.7	9.22	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	6.48	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)*	*160*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons			R01										
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 136		mg/kg dry	136	6.8	5	CT ETPH	27-Aug-12	31-Aug-12	SEW	1220610	
68476-30-2	Fuel Oil #2	< 136		mg/kg dry	136	13.6	5	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-19 (6-8)	12.110/001	Soil	16-Aug-12 11:25	21-Aug-12
SB54882-11				

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 3550C			R01										
68476-31-3	Fuel Oil #4	< 136		mg/kg dry	136	13.6	5	CT ETPH	27-Aug-12	31-Aug-12	SEW	1220610	
68553-00-4	Fuel Oil #6	< 136		mg/kg dry	136	33.9	5	"	"	"	"	"	
M09800000	Motor Oil	< 136		mg/kg dry	136	13.6	5	"	"	"	"	"	
J00100000	Aviation Fuel	< 136		mg/kg dry	136	33.9	5	"	"	"	"	"	
	Unidentified	**1,460**		mg/kg dry	136	33.9	5	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	136	13.6	5	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**1,460**		mg/kg dry	136	13.6	5	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**1,460**		mg/kg dry	136	10.6	5	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*106*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**6.03**		mg/kg dry	1.36	0.454	1	SW846 6010C	29-Aug-12	31-Aug-12	TBC	1220369	X
7439-92-1	Lead	**168**		mg/kg dry	1.36	0.140	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**93.1**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-20 (10-12)	12.110/001	Soil	16-Aug-12 11:50	21-Aug-12
SB54882-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 180		µg/kg dry	180	20.0	1	SW846 8270D	27-Aug-12	31-Aug-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 180		µg/kg dry	180	20.3	1	"	"	"	"	"	X
120-12-7	Anthracene	< 180		µg/kg dry	180	20.9	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 180		µg/kg dry	180	20.7	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 180		µg/kg dry	180	23.5	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 180		µg/kg dry	180	21.4	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 180		µg/kg dry	180	27.2	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**197**		µg/kg dry	180	31.4	1	"	"	"	"	"	X
218-01-9	Chrysene	**197**		µg/kg dry	180	21.2	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 180		µg/kg dry	180	24.5	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**311**		µg/kg dry	180	32.5	1	"	"	"	"	"	X
86-73-7	Fluorene	< 180		µg/kg dry	180	22.6	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 180		µg/kg dry	180	32.8	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 180		µg/kg dry	180	26.1	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 180		µg/kg dry	180	21.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 180		µg/kg dry	180	18.0	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**199**		µg/kg dry	180	20.0	1	"	"	"	"	"	X
129-00-0	Pyrene	**330**		µg/kg dry	180	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*56*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*70*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.5		µg/kg dry	20.5	10.2	1	SW846 8082A	22-Aug-12	24-Aug-12	IMR	1220188	X
11104-28-2	Aroclor-1221	< 20.5		µg/kg dry	20.5	18.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.5		µg/kg dry	20.5	13.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.5		µg/kg dry	20.5	12.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.5		µg/kg dry	20.5	10.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.5		µg/kg dry	20.5	15.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**1,770**		µg/kg dry	20.5	7.86	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.5		µg/kg dry	20.5	19.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.5		µg/kg dry	20.5	6.43	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)*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 28.0		mg/kg dry	28.0	1.4	1	CT ETPH	27-Aug-12	29-Aug-12	SEW	1220610	
68476-30-2	Fuel Oil #2	< 28.0		mg/kg dry	28.0	2.8	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-20 (10-12)	12.110/001	Soil	16-Aug-12 11:50	21-Aug-12
SB54882-12				

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 3550C													
68476-31-3	Fuel Oil #4	< 28.0		mg/kg dry	28.0	2.8	1	CT ETPH	27-Aug-12	29-Aug-12	SEW	1220610	
68553-00-4	Fuel Oil #6	< 28.0		mg/kg dry	28.0	7.0	1	"	"	"	"	"	
M09800000	Motor Oil	< 28.0		mg/kg dry	28.0	2.8	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 28.0		mg/kg dry	28.0	7.0	1	"	"	"	"	"	
	Unidentified	**75.2**		mg/kg dry	28.0	7.0	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	28.0	2.8	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**75.2**		mg/kg dry	28.0	2.8	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**75.2**		mg/kg dry	28.0	2.2	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*82*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**4.99**		mg/kg dry	1.48	0.493	1	SW846 6010C	29-Aug-12	31-Aug-12	TBC	1220369	X
7439-92-1	Lead	**108**		mg/kg dry	1.48	0.152	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**91.9**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-21 (0-2)	12.110/001	Soil	16-Aug-12 13:05	21-Aug-12
SB54882-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 43.6	R01	µg/kg dry	43.6	21.8	1	SW846 8082A	22-Aug-12	25-Aug-12	IMR	1220188	X
11104-28-2	Aroclor-1221	< 43.6	R01	µg/kg dry	43.6	39.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 43.6	R01	µg/kg dry	43.6	28.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 43.6	R01	µg/kg dry	43.6	25.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 43.6	R01	µg/kg dry	43.6	21.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 43.6	R01	µg/kg dry	43.6	32.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**70.8**		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]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**44.9**		mg/kg dry	1.63	0.542	1	SW846 6010C	29-Aug-12	31-Aug-12	TBC	1220369	X
7439-92-1	Lead	**46.4**		mg/kg dry	1.63	0.167	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**89.5**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-21 (10-12)	12.110/001	Soil	16-Aug-12 13:15	21-Aug-12
SB54882-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs			R01										
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 1720		µg/kg dry	1720	191	10	SW846 8270D	27-Aug-12	04-Sep-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 1720		µg/kg dry	1720	194	10	"	"	"	"	"	X
120-12-7	Anthracene	< 1720		µg/kg dry	1720	200	10	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 1720		µg/kg dry	1720	198	10	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**1,930**		µg/kg dry	1720	224	10	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**1,750**		µg/kg dry	1720	205	10	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 1720		µg/kg dry	1720	260	10	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 1720		µg/kg dry	1720	300	10	"	"	"	"	"	X
218-01-9	Chrysene	< 1720		µg/kg dry	1720	203	10	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 1720		µg/kg dry	1720	235	10	"	"	"	"	"	X
206-44-0	Fluoranthene	**2,230**		µg/kg dry	1720	311	10	"	"	"	"	"	X
86-73-7	Fluorene	< 1720		µg/kg dry	1720	216	10	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 1720		µg/kg dry	1720	314	10	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 1720		µg/kg dry	1720	249	10	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 1720		µg/kg dry	1720	201	10	"	"	"	"	"	X
91-20-3	Naphthalene	< 1720		µg/kg dry	1720	172	10	"	"	"	"	"	X
85-01-8	Phenanthrene	< 1720		µg/kg dry	1720	191	10	"	"	"	"	"	X
129-00-0	Pyrene	**1,890**		µg/kg dry	1720	342	10	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*64*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*80*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 19.8		µg/kg dry	19.8	9.89	1	SW846 8082A	22-Aug-12	25-Aug-12	IMR	1220188	X
11104-28-2	Aroclor-1221	< 19.8		µg/kg dry	19.8	17.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.8		µg/kg dry	19.8	12.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19.8		µg/kg dry	19.8	11.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 19.8		µg/kg dry	19.8	9.71	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 19.8		µg/kg dry	19.8	14.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**28.7**		µg/kg dry	19.8	7.58	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.8		µg/kg dry	19.8	18.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19.8		µg/kg dry	19.8	6.21	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)*	*145*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons			R01										
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 138		mg/kg dry	138	6.9	5	CT ETPH	27-Aug-12	31-Aug-12	SEW	1220610	
68476-30-2	Fuel Oil #2	< 138		mg/kg dry	138	13.8	5	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-21 (10-12)	12.110/001	Soil	16-Aug-12 13:15	21-Aug-12
SB54882-14				

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 3550C			R01										
68476-31-3	Fuel Oil #4	< 138		mg/kg dry	138	13.8	5	CT ETPH	27-Aug-12	31-Aug-12	SEW	1220610	
68553-00-4	Fuel Oil #6	< 138		mg/kg dry	138	34.4	5	"	"	"	"	"	
M09800000	Motor Oil	< 138		mg/kg dry	138	13.8	5	"	"	"	"	"	
J00100000	Aviation Fuel	< 138		mg/kg dry	138	34.4	5	"	"	"	"	"	
	Unidentified	**1,170**		mg/kg dry	138	34.4	5	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	138	13.8	5	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**1,170**		mg/kg dry	138	13.8	5	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**1,170**		mg/kg dry	138	10.8	5	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*90*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**5.54**		mg/kg dry	1.47	0.489	1	SW846 6010C	29-Aug-12	31-Aug-12	TBC	1220369	X
7439-92-1	Lead	**105**		mg/kg dry	1.47	0.151	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**95.5**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-22 (1-3)	12.110/001	Soil	16-Aug-12 13:25	21-Aug-12
SB54882-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.1		µg/kg dry	20.1	10.1	1	SW846 8082A	22-Aug-12	25-Aug-12	IMR	1220188	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	11.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.1		µg/kg dry	20.1	9.88	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.1		µg/kg dry	20.1	14.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**279**		µg/kg dry	20.1	7.72	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.1		µg/kg dry	20.1	18.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.1		µg/kg dry	20.1	6.32	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**4.86**		mg/kg dry	1.43	0.474	1	SW846 6010C	29-Aug-12	04-Sep-12	EDT	1220371	X
7439-92-1	Lead	**62.1**		mg/kg dry	1.43	0.146	1	"	"	31-Aug-12	"	"	X
General Chemistry Parameters													
	% Solids	**94.1**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-22 (14-15)	12.110/001	Soil	16-Aug-12 13:40	21-Aug-12
SB54882-16				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 207		µg/kg dry	207	23.1	1	SW846 8270D	27-Aug-12	03-Sep-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 207		µg/kg dry	207	23.4	1	"	"	"	"	"	X
120-12-7	Anthracene	< 207		µg/kg dry	207	24.1	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**336**		µg/kg dry	207	23.8	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**339**		µg/kg dry	207	27.0	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**275**		µg/kg dry	207	24.7	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	**222**		µg/kg dry	207	31.4	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**325**		µg/kg dry	207	36.2	1	"	"	"	"	"	X
218-01-9	Chrysene	**354**		µg/kg dry	207	24.4	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 207		µg/kg dry	207	28.3	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**575**		µg/kg dry	207	37.5	1	"	"	"	"	"	X
86-73-7	Fluorene	< 207		µg/kg dry	207	26.1	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	**211**		µg/kg dry	207	37.8	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 207		µg/kg dry	207	30.0	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 207		µg/kg dry	207	24.2	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 207		µg/kg dry	207	20.7	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**261**		µg/kg dry	207	23.1	1	"	"	"	"	"	X
129-00-0	Pyrene	**623**		µg/kg dry	207	41.2	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*36*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*37*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.7		µg/kg dry	23.7	11.8	1	SW846 8082A	22-Aug-12	25-Aug-12	IMR	1220188	X
11104-28-2	Aroclor-1221	< 23.7		µg/kg dry	23.7	21.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.7		µg/kg dry	23.7	15.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.7		µg/kg dry	23.7	14.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.7		µg/kg dry	23.7	11.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.7		µg/kg dry	23.7	17.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**64.0**		µg/kg dry	23.7	9.09	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.7		µg/kg dry	23.7	22.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.7		µg/kg dry	23.7	7.44	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 32.8		mg/kg dry	32.8	1.6	1	CT ETPH	27-Aug-12	29-Aug-12	SEW	1220610	
68476-30-2	Fuel Oil #2	< 32.8		mg/kg dry	32.8	3.3	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-22 (14-15)	12.110/001	Soil	16-Aug-12 13:40	21-Aug-12
SB54882-16				

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 3550C													
68476-31-3	Fuel Oil #4	< 32.8		mg/kg dry	32.8	3.3	1	CT ETPH	27-Aug-12	29-Aug-12	SEW	1220610	
68553-00-4	Fuel Oil #6	< 32.8		mg/kg dry	32.8	8.2	1	"	"	"	"	"	
M09800000	Motor Oil	< 32.8		mg/kg dry	32.8	3.3	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 32.8		mg/kg dry	32.8	8.2	1	"	"	"	"	"	
	Unidentified	**146**		mg/kg dry	32.8	8.2	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	32.8	3.3	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**146**		mg/kg dry	32.8	3.3	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**146**		mg/kg dry	32.8	2.6	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*143*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**6.47**		mg/kg dry	1.79	0.596	1	SW846 6010C	29-Aug-12	04-Sep-12	EDT	1220371	X
7439-92-1	Lead	**229**		mg/kg dry	1.79	0.184	1	"	"	31-Aug-12	"	"	X
General Chemistry Parameters													
	% Solids	**79.1**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-23 (1-3)	12.110/001	Soil	16-Aug-12 14:05	21-Aug-12
SB54882-17				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 19.5		µg/kg dry	19.5	9.72	1	SW846 8082A	22-Aug-12	25-Aug-12	IMR	1220188	X
11104-28-2	Aroclor-1221	< 19.5		µg/kg dry	19.5	17.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.5		µg/kg dry	19.5	12.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19.5		µg/kg dry	19.5	11.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 19.5		µg/kg dry	19.5	9.55	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 19.5		µg/kg dry	19.5	14.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**376**		µg/kg dry	19.5	7.46	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.5		µg/kg dry	19.5	18.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19.5		µg/kg dry	19.5	6.11	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**2.52**		mg/kg dry	1.33	0.442	1	SW846 6010C	29-Aug-12	04-Sep-12	EDT	1220371	X
7439-92-1	Lead	**23.3**		mg/kg dry	1.33	0.137	1	"	"	31-Aug-12	"	"	X
General Chemistry Parameters													
	% Solids	**97.3**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-23 (8-10)	12.110/001	Soil	16-Aug-12 14:15	21-Aug-12
SB54882-18				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 177		µg/kg dry	177	19.7	1	SW846 8270D	27-Aug-12	03-Sep-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 177		µg/kg dry	177	20.0	1	"	"	"	"	"	X
120-12-7	Anthracene	< 177		µg/kg dry	177	20.5	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**192**		µg/kg dry	177	20.3	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**199**		µg/kg dry	177	23.0	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**195**		µg/kg dry	177	21.0	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 177		µg/kg dry	177	26.7	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**192**		µg/kg dry	177	30.9	1	"	"	"	"	"	X
218-01-9	Chrysene	**233**		µg/kg dry	177	20.8	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 177		µg/kg dry	177	24.1	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**332**		µg/kg dry	177	31.9	1	"	"	"	"	"	X
86-73-7	Fluorene	< 177		µg/kg dry	177	22.2	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 177		µg/kg dry	177	32.2	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 177		µg/kg dry	177	25.6	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 177		µg/kg dry	177	20.6	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 177		µg/kg dry	177	17.7	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 177		µg/kg dry	177	19.7	1	"	"	"	"	"	X
129-00-0	Pyrene	**311**		µg/kg dry	177	35.1	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*62*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*74*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 19.7		µg/kg dry	19.7	9.82	1	SW846 8082A	22-Aug-12	25-Aug-12	IMR	1220188	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	9.65	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 19.7		µg/kg dry	19.7	14.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**389**		µg/kg dry	19.7	7.54	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	6.17	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 27.4		mg/kg dry	27.4	1.4	1	CT ETPH	27-Aug-12	30-Aug-12	SEW	1220610	
68476-30-2	Fuel Oil #2	< 27.4		mg/kg dry	27.4	2.7	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-23 (8-10)	12.110/001	Soil	16-Aug-12 14:15	21-Aug-12
SB54882-18				

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 3550C													
68476-31-3	Fuel Oil #4	< 27.4		mg/kg dry	27.4	2.7	1	CT ETPH	27-Aug-12	30-Aug-12	SEW	1220610	
68553-00-4	Fuel Oil #6	< 27.4		mg/kg dry	27.4	6.9	1	"	"	"	"	"	
M09800000	Motor Oil	< 27.4		mg/kg dry	27.4	2.7	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 27.4		mg/kg dry	27.4	6.9	1	"	"	"	"	"	
	Unidentified	**53.6**		mg/kg dry	27.4	6.9	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	27.4	2.7	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**53.6**		mg/kg dry	27.4	2.7	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**53.6**		mg/kg dry	27.4	2.1	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*55*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**32.5**		mg/kg dry	1.43	0.476	1	SW846 6010C	29-Aug-12	04-Sep-12	EDT	1220371	X
7439-92-1	Lead	**33.0**		mg/kg dry	1.43	0.147	1	"	"	31-Aug-12	"	"	X
General Chemistry Parameters													
	% Solids	**93.5**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-24 (8-10)	12.110/001	Soil	16-Aug-12 14:40	21-Aug-12
SB54882-19				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 216		µg/kg dry	216	24.1	1	SW846 8270D	27-Aug-12	03-Sep-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 216		µg/kg dry	216	24.5	1	"	"	"	"	"	X
120-12-7	Anthracene	< 216		µg/kg dry	216	25.1	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**954**		µg/kg dry	216	24.9	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**1,090**		µg/kg dry	216	28.3	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**742**		µg/kg dry	216	25.8	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	**833**		µg/kg dry	216	32.8	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**843**		µg/kg dry	216	37.8	1	"	"	"	"	"	X
218-01-9	Chrysene	**983**		µg/kg dry	216	25.5	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	**401**		µg/kg dry	216	29.6	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**1,870**		µg/kg dry	216	39.1	1	"	"	"	"	"	X
86-73-7	Fluorene	< 216		µg/kg dry	216	27.2	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	**719**		µg/kg dry	216	39.5	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 216		µg/kg dry	216	31.4	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 216		µg/kg dry	216	25.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 216		µg/kg dry	216	21.6	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**997**		µg/kg dry	216	24.1	1	"	"	"	"	"	X
129-00-0	Pyrene	**1,680**		µg/kg dry	216	43.0	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*38*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*36*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 25.6		µg/kg dry	25.6	12.8	1	SW846 8082A	22-Aug-12	25-Aug-12	IMR	1220188	X
11104-28-2	Aroclor-1221	< 25.6		µg/kg dry	25.6	23.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.6		µg/kg dry	25.6	16.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 25.6		µg/kg dry	25.6	15.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 25.6		µg/kg dry	25.6	12.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 25.6		µg/kg dry	25.6	18.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 25.6		µg/kg dry	25.6	9.81	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.6		µg/kg dry	25.6	23.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.6		µg/kg dry	25.6	8.04	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 35.2		mg/kg dry	35.2	1.8	1	CT ETPH	28-Aug-12	29-Aug-12	SEW	1220656	
68476-30-2	Fuel Oil #2	< 35.2		mg/kg dry	35.2	3.5	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-24 (8-10) SB54882-19	12.110/001	Soil	16-Aug-12 14:40	21-Aug-12

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 3550C													
68476-31-3	Fuel Oil #4	< 35.2		mg/kg dry	35.2	3.5	1	CT ETPH	28-Aug-12	29-Aug-12	SEW	1220656	
68553-00-4	Fuel Oil #6	< 35.2		mg/kg dry	35.2	8.8	1	"	"	"	"	"	
M09800000	Motor Oil	< 35.2		mg/kg dry	35.2	3.5	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 35.2		mg/kg dry	35.2	8.8	1	"	"	"	"	"	
	Unidentified	**187**		mg/kg dry	35.2	8.8	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	35.2	3.5	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**187**		mg/kg dry	35.2	3.5	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**187**		mg/kg dry	35.2	2.7	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*56*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**9.35**		mg/kg dry	1.88	0.625	1	SW846 6010C	29-Aug-12	04-Sep-12	EDT	1220371	X
7439-92-1	Lead	**588**		mg/kg dry	1.88	0.193	1	"	"	31-Aug-12	"	"	X
General Chemistry Parameters													
	% Solids	**75.5**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-24A (8-10)	12.110/001	Soil	16-Aug-12 14:40	21-Aug-12
SB54882-20				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 214		µg/kg dry	214	23.9	1	SW846 8270D	27-Aug-12	03-Sep-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 214		µg/kg dry	214	24.3	1	"	"	"	"	"	X
120-12-7	Anthracene	< 214		µg/kg dry	214	24.9	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**904**		µg/kg dry	214	24.6	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**1,200**		µg/kg dry	214	28.0	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**867**		µg/kg dry	214	25.5	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	**871**		µg/kg dry	214	32.5	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**651**		µg/kg dry	214	37.5	1	"	"	"	"	"	X
218-01-9	Chrysene	**927**		µg/kg dry	214	25.3	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	**345**		µg/kg dry	214	29.3	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**1,610**		µg/kg dry	214	38.8	1	"	"	"	"	"	X
86-73-7	Fluorene	< 214		µg/kg dry	214	27.0	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	**646**		µg/kg dry	214	39.1	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 214		µg/kg dry	214	31.1	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 214		µg/kg dry	214	25.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 214		µg/kg dry	214	21.4	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**694**		µg/kg dry	214	23.9	1	"	"	"	"	"	X
129-00-0	Pyrene	**1,490**		µg/kg dry	214	42.6	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*43*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*33*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 24.9		µg/kg dry	24.9	12.5	1	SW846 8082A	22-Aug-12	25-Aug-12	IMR	1220188	X
11104-28-2	Aroclor-1221	< 24.9		µg/kg dry	24.9	22.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.9		µg/kg dry	24.9	16.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 24.9		µg/kg dry	24.9	14.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 24.9		µg/kg dry	24.9	12.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 24.9		µg/kg dry	24.9	18.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 24.9		µg/kg dry	24.9	9.56	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.9		µg/kg dry	24.9	23.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.9		µg/kg dry	24.9	7.83	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*145*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 33.4		mg/kg dry	33.4	1.7	1	CT ETPH	28-Aug-12	29-Aug-12	SEW	1220656	
68476-30-2	Fuel Oil #2	< 33.4		mg/kg dry	33.4	3.3	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-24A (8-10)	12.110/001	Soil	16-Aug-12 14:40	21-Aug-12
SB54882-20				

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 3550C													
68476-31-3	Fuel Oil #4	< 33.4		mg/kg dry	33.4	3.3	1	CT ETPH	28-Aug-12	29-Aug-12	SEW	1220656	
68553-00-4	Fuel Oil #6	< 33.4		mg/kg dry	33.4	8.4	1	"	"	"	"	"	
M09800000	Motor Oil	< 33.4		mg/kg dry	33.4	3.3	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 33.4		mg/kg dry	33.4	8.4	1	"	"	"	"	"	
	Unidentified	**317**		mg/kg dry	33.4	8.4	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	33.4	3.3	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**317**		mg/kg dry	33.4	3.3	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**317**		mg/kg dry	33.4	2.6	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*69*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**8.24**		mg/kg dry	1.88	0.627	1	SW846 6010C	29-Aug-12	04-Sep-12	EDT	1220371	X
7439-92-1	Lead	**322**		mg/kg dry	1.88	0.193	1	"	"	31-Aug-12	"	"	X
General Chemistry Parameters													
	% Solids	**76.4**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220221	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-25 (0-2)	12.110/001	Soil	17-Aug-12 08:20	21-Aug-12
SB54882-21				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.0		µg/kg dry	20.0	10.0	1	SW846 8082A	27-Aug-12	27-Aug-12	BLM	1220555	X
11104-28-2	Aroclor-1221	< 20.0		µg/kg dry	20.0	18.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.0		µg/kg dry	20.0	12.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.0		µg/kg dry	20.0	11.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.0		µg/kg dry	20.0	9.82	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.0		µg/kg dry	20.0	14.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**153**		µg/kg dry	20.0	8.94	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.0		µg/kg dry	20.0	18.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.0		µg/kg dry	20.0	6.29	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*40*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**7.48**		mg/kg dry	1.44	0.479	1	SW846 6010C	29-Aug-12	01-Sep-12	EDT	1220371	X
7439-92-1	Lead	**56.9**		mg/kg dry	1.44	0.148	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**94.3**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-25 (6-8)	12.110/001	Soil	17-Aug-12 08:25	21-Aug-12
SB54882-22				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 184		µg/kg dry	184	20.4	1	SW846 8270D	27-Aug-12	02-Sep-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 184		µg/kg dry	184	20.8	1	"	"	"	"	"	X
120-12-7	Anthracene	< 184		µg/kg dry	184	21.3	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 184		µg/kg dry	184	21.1	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 184		µg/kg dry	184	24.0	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 184		µg/kg dry	184	21.9	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 184		µg/kg dry	184	27.8	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 184		µg/kg dry	184	32.1	1	"	"	"	"	"	X
218-01-9	Chrysene	< 184		µg/kg dry	184	21.6	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 184		µg/kg dry	184	25.1	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 184		µg/kg dry	184	33.2	1	"	"	"	"	"	X
86-73-7	Fluorene	< 184		µg/kg dry	184	23.1	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 184		µg/kg dry	184	33.5	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 184		µg/kg dry	184	26.6	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 184		µg/kg dry	184	21.4	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 184		µg/kg dry	184	18.4	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 184		µg/kg dry	184	20.4	1	"	"	"	"	"	X
129-00-0	Pyrene	< 184		µg/kg dry	184	36.5	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*61*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*65*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.5		µg/kg dry	21.5	10.8	1	SW846 8082A	27-Aug-12	28-Aug-12	BLM	1220555	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	20.1	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)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 28.4		mg/kg dry	28.4	1.4	1	CT ETPH	28-Aug-12	29-Aug-12	SEW	1220656	
68476-30-2	Fuel Oil #2	< 28.4		mg/kg dry	28.4	2.8	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-25 (6-8)	12.110/001	Soil	17-Aug-12 08:25	21-Aug-12
SB54882-22				

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 3550C													
68476-31-3	Fuel Oil #4	< 28.4		mg/kg dry	28.4	2.8	1	CT ETPH	28-Aug-12	29-Aug-12	SEW	1220656	
68553-00-4	Fuel Oil #6	< 28.4		mg/kg dry	28.4	7.1	1	"	"	"	"	"	
M09800000	Motor Oil	< 28.4		mg/kg dry	28.4	2.8	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 28.4		mg/kg dry	28.4	7.1	1	"	"	"	"	"	
	Unidentified	< 28.4		mg/kg dry	28.4	7.1	1	"	"	"	"	"	
	Other Oil	< 28.4		mg/kg dry	28.4	2.8	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 28.4		mg/kg dry	28.4	2.8	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 28.4		mg/kg dry	28.4	2.2	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*69*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**26.8**		mg/kg dry	1.61	0.534	1	SW846 6010C	29-Aug-12	01-Sep-12	EDT	1220371	X
7439-92-1	Lead	**48.7**		mg/kg dry	1.61	0.165	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**90.3**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-26 (1-3)	12.110/001	Soil	17-Aug-12 08:50	21-Aug-12
SB54882-23				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 19.8		µg/kg dry	19.8	9.89	1	SW846 8082A	27-Aug-12	28-Aug-12	BLM	1220555	X
11104-28-2	Aroclor-1221	< 19.8		µg/kg dry	19.8	17.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.8		µg/kg dry	19.8	12.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19.8		µg/kg dry	19.8	11.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 19.8		µg/kg dry	19.8	9.71	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 19.8		µg/kg dry	19.8	14.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**51.5**		µg/kg dry	19.8	8.84	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.8		µg/kg dry	19.8	18.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19.8		µg/kg dry	19.8	6.22	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*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													
7440-38-2	Arsenic	**4.04**		mg/kg dry	1.44	0.479	1	SW846 6010C	29-Aug-12	01-Sep-12	EDT	1220371	X
7439-92-1	Lead	**60.9**		mg/kg dry	1.44	0.148	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**94.5**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-26 (10-12)	12.110/001	Soil	17-Aug-12 09:00	21-Aug-12
SB54882-24				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 231		µg/kg dry	231	25.7	1	SW846 8270D	27-Aug-12	03-Sep-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 231		µg/kg dry	231	26.1	1	"	"	"	"	"	X
120-12-7	Anthracene	< 231		µg/kg dry	231	26.8	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**431**		µg/kg dry	231	26.5	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**576**		µg/kg dry	231	30.1	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**433**		µg/kg dry	231	27.5	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	**417**		µg/kg dry	231	35.0	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**456**		µg/kg dry	231	40.3	1	"	"	"	"	"	X
218-01-9	Chrysene	**440**		µg/kg dry	231	27.2	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 231		µg/kg dry	231	31.5	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**520**		µg/kg dry	231	41.7	1	"	"	"	"	"	X
86-73-7	Fluorene	< 231		µg/kg dry	231	29.0	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	**349**		µg/kg dry	231	42.1	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 231		µg/kg dry	231	33.4	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 231		µg/kg dry	231	26.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 231		µg/kg dry	231	23.1	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**396**		µg/kg dry	231	25.7	1	"	"	"	"	"	X
129-00-0	Pyrene	**476**		µg/kg dry	231	45.9	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*42*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*37*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 27.7		µg/kg dry	27.7	13.8	1	SW846 8082A	27-Aug-12	28-Aug-12	BLM	1220555	X
11104-28-2	Aroclor-1221	< 27.7		µg/kg dry	27.7	24.9	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	< 27.7		µg/kg dry	27.7	10.6	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	8.68	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 36.3		mg/kg dry	36.3	1.8	1	CT ETPH	28-Aug-12	29-Aug-12	SEW	1220656	
68476-30-2	Fuel Oil #2	< 36.3		mg/kg dry	36.3	3.6	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-26 (10-12)	12.110/001	Soil	17-Aug-12 09:00	21-Aug-12
SB54882-24				

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 3550C													
68476-31-3	Fuel Oil #4	< 36.3		mg/kg dry	36.3	3.6	1	CT ETPH	28-Aug-12	29-Aug-12	SEW	1220656	
68553-00-4	Fuel Oil #6	< 36.3		mg/kg dry	36.3	9.1	1	"	"	"	"	"	
M09800000	Motor Oil	< 36.3		mg/kg dry	36.3	3.6	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 36.3		mg/kg dry	36.3	9.1	1	"	"	"	"	"	
	Unidentified	**169**		mg/kg dry	36.3	9.1	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	36.3	3.6	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**169**		mg/kg dry	36.3	3.6	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**169**		mg/kg dry	36.3	2.8	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*73*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**46.7**		mg/kg dry	1.99	0.662	1	SW846 6010C	29-Aug-12	01-Sep-12	EDT	1220371	X
7439-92-1	Lead	**497**		mg/kg dry	1.99	0.204	1	"	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods													
	SPLP Extraction	**Completed**		N/A			1	SW846 1312	10-Sep-12	12-Sep-12	BD	1221779	X
7440-38-2	Arsenic	< 0.0080		mg/l	0.0080	0.0062	1	SW846 1312/6010C	11-Sep-12	14-Sep-12	EDT	1221852	
7439-92-1	Lead	**0.0382**		mg/l	0.0150	0.0039	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**71.4**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-27 (0-2)	12.110/001	Soil	17-Aug-12 09:45	21-Aug-12
SB54882-25				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.6		µg/kg dry	20.6	10.3	1	SW846 8082A	27-Aug-12	28-Aug-12	BLM	1220555	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	**90.7**		µg/kg dry	20.6	9.20	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)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**3.04**		mg/kg dry	1.38	0.459	1	SW846 6010C	29-Aug-12	01-Sep-12	EDT	1220371	X
7439-92-1	Lead	**49.5**		mg/kg dry	1.38	0.142	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**95.5**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-27 (12-14)	12.110/001	Soil	17-Aug-12 10:00	21-Aug-12
SB54882-26				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 194		µg/kg dry	194	21.6	1	SW846 8270D	27-Aug-12	03-Sep-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 194		µg/kg dry	194	22.0	1	"	"	"	"	"	X
120-12-7	Anthracene	< 194		µg/kg dry	194	22.6	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**603**		µg/kg dry	194	22.3	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**651**		µg/kg dry	194	25.3	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**560**		µg/kg dry	194	23.1	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	**427**		µg/kg dry	194	29.4	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**493**		µg/kg dry	194	33.9	1	"	"	"	"	"	X
218-01-9	Chrysene	**642**		µg/kg dry	194	22.9	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 194		µg/kg dry	194	26.5	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**1,270**		µg/kg dry	194	35.1	1	"	"	"	"	"	X
86-73-7	Fluorene	< 194		µg/kg dry	194	24.4	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	**378**		µg/kg dry	194	35.5	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 194		µg/kg dry	194	28.1	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 194		µg/kg dry	194	22.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 194		µg/kg dry	194	19.4	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**572**		µg/kg dry	194	21.6	1	"	"	"	"	"	X
129-00-0	Pyrene	**1,100**		µg/kg dry	194	38.6	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*55*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*55*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.1		µg/kg dry	22.1	11.0	1	SW846 8082A	27-Aug-12	28-Aug-12	BLM	1220555	X
11104-28-2	Aroclor-1221	< 22.1		µg/kg dry	22.1	19.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.1		µg/kg dry	22.1	14.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.1		µg/kg dry	22.1	13.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.1		µg/kg dry	22.1	10.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.1		µg/kg dry	22.1	16.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**75.0**		µg/kg dry	22.1	9.85	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.1		µg/kg dry	22.1	20.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.1		µg/kg dry	22.1	6.93	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 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 30.4		mg/kg dry	30.4	1.5	1	CT ETPH	28-Aug-12	29-Aug-12	SEW	1220656	
68476-30-2	Fuel Oil #2	< 30.4		mg/kg dry	30.4	3.0	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-27 (12-14)	12.110/001	Soil	17-Aug-12 10:00	21-Aug-12
SB54882-26				

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 3550C													
68476-31-3	Fuel Oil #4	< 30.4		mg/kg dry	30.4	3.0	1	CT ETPH	28-Aug-12	29-Aug-12	SEW	1220656	
68553-00-4	Fuel Oil #6	< 30.4		mg/kg dry	30.4	7.6	1	"	"	"	"	"	
M09800000	Motor Oil	< 30.4		mg/kg dry	30.4	3.0	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 30.4		mg/kg dry	30.4	7.6	1	"	"	"	"	"	
	Unidentified	**88.2**		mg/kg dry	30.4	7.6	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	30.4	3.0	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**88.2**		mg/kg dry	30.4	3.0	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**88.2**		mg/kg dry	30.4	2.4	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*74*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**7.12**		mg/kg dry	1.49	0.496	1	SW846 6010C	29-Aug-12	01-Sep-12	EDT	1220371	X
7439-92-1	Lead	**251**		mg/kg dry	1.49	0.153	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**85.3**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-28 (1-3)	12.110/001	Soil	17-Aug-12 10:03	21-Aug-12
SB54882-27				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.1		µg/kg dry	20.1	10.0	1	SW846 8082A	27-Aug-12	28-Aug-12	BLM	1220555	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	9.85	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.1		µg/kg dry	20.1	14.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**278**		µg/kg dry	20.1	8.96	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	6.30	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 27.8		mg/kg dry	27.8	1.4	1	CT ETPH	28-Aug-12	29-Aug-12	SEW	1220656	
68476-30-2	Fuel Oil #2	< 27.8		mg/kg dry	27.8	2.8	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 27.8		mg/kg dry	27.8	2.8	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 27.8		mg/kg dry	27.8	7.0	1	"	"	"	"	"	
M09800000	Motor Oil	< 27.8		mg/kg dry	27.8	2.8	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 27.8		mg/kg dry	27.8	7.0	1	"	"	"	"	"	
	Unidentified	**84.1**		mg/kg dry	27.8	7.0	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	27.8	2.8	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**84.1**		mg/kg dry	27.8	2.8	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**84.1**		mg/kg dry	27.8	2.2	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*74*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**4.18**		mg/kg dry	1.35	0.451	1	SW846 6010C	29-Aug-12	01-Sep-12	EDT	1220371	X
7439-92-1	Lead	**205**		mg/kg dry	1.35	0.139	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**94.1**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-28 (12-14)	12.110/001	Soil	17-Aug-12 10:18	21-Aug-12
SB54882-28				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs			GS1										
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 1990		µg/kg dry	1990	222	10	SW846 8270D	27-Aug-12	03-Sep-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 1990		µg/kg dry	1990	225	10	"	"	"	"	"	X
120-12-7	Anthracene	< 1990		µg/kg dry	1990	231	10	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 1990		µg/kg dry	1990	229	10	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 1990		µg/kg dry	1990	260	10	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 1990		µg/kg dry	1990	237	10	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 1990		µg/kg dry	1990	302	10	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 1990		µg/kg dry	1990	348	10	"	"	"	"	"	X
218-01-9	Chrysene	< 1990		µg/kg dry	1990	235	10	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 1990		µg/kg dry	1990	272	10	"	"	"	"	"	X
206-44-0	Fluoranthene	**4,610**		µg/kg dry	1990	360	10	"	"	"	"	"	X
86-73-7	Fluorene	< 1990		µg/kg dry	1990	250	10	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 1990		µg/kg dry	1990	364	10	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 1990		µg/kg dry	1990	289	10	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 1990		µg/kg dry	1990	233	10	"	"	"	"	"	X
91-20-3	Naphthalene	< 1990		µg/kg dry	1990	199	10	"	"	"	"	"	X
85-01-8	Phenanthrene	**3,270**		µg/kg dry	1990	222	10	"	"	"	"	"	X
129-00-0	Pyrene	**4,500**		µg/kg dry	1990	396	10	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*43*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*52*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.8		µg/kg dry	22.8	11.4	1	SW846 8082A	27-Aug-12	28-Aug-12	BLM	1220555	X
11104-28-2	Aroclor-1221	< 22.8		µg/kg dry	22.8	20.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.8		µg/kg dry	22.8	14.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.8		µg/kg dry	22.8	13.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.8		µg/kg dry	22.8	11.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.8		µg/kg dry	22.8	16.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**25.1**		µg/kg dry	22.8	10.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.8		µg/kg dry	22.8	21.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.8		µg/kg dry	22.8	7.17	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)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons			R01										
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 63.5		mg/kg dry	63.5	3.2	2	CT ETPH	28-Aug-12	29-Aug-12	SEW	1220656	
68476-30-2	Fuel Oil #2	< 63.5		mg/kg dry	63.5	6.3	2	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-28 (12-14) SB54882-28	12.110/001	Soil	17-Aug-12 10:18	21-Aug-12

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 3550C			R01										
68476-31-3	Fuel Oil #4	< 63.5		mg/kg dry	63.5	6.3	2	CT ETPH	28-Aug-12	29-Aug-12	SEW	1220656	
68553-00-4	Fuel Oil #6	< 63.5		mg/kg dry	63.5	15.9	2	"	"	"	"	"	
M09800000	Motor Oil	< 63.5		mg/kg dry	63.5	6.3	2	"	"	"	"	"	
J00100000	Aviation Fuel	< 63.5		mg/kg dry	63.5	15.9	2	"	"	"	"	"	
	Unidentified	**261**		mg/kg dry	63.5	15.9	2	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	63.5	6.3	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**261**		mg/kg dry	63.5	6.3	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**261**		mg/kg dry	63.5	5.0	2	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*72*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**8.49**		mg/kg dry	1.75	0.582	1	SW846 6010C	29-Aug-12	01-Sep-12	EDT	1220371	X
7439-92-1	Lead	**376**		mg/kg dry	1.75	0.180	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**81.8**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-29 (0-2)	12.110/001	Soil	17-Aug-12 10:20	21-Aug-12
SB54882-29				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.3		µg/kg dry	21.3	10.6	1	SW846 8082A	27-Aug-12	28-Aug-12	BLM	1220555	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	12.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.3		µg/kg dry	21.3	10.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.3		µg/kg dry	21.3	15.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**107**		µg/kg dry	21.3	9.50	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.3		µg/kg dry	21.3	19.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.3		µg/kg dry	21.3	6.68	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*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 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**7.44**		mg/kg dry	1.44	0.480	1	SW846 6010C	29-Aug-12	01-Sep-12	EDT	1220371	X
7439-92-1	Lead	**129**		mg/kg dry	1.44	0.148	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**90.6**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-29 (10-12)	12.110/001	Soil	17-Aug-12 10:30	21-Aug-12
SB54882-30				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 193		µg/kg dry	193	21.5	1	SW846 8270D	27-Aug-12	03-Sep-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 193		µg/kg dry	193	21.8	1	"	"	"	"	"	X
120-12-7	Anthracene	< 193		µg/kg dry	193	22.4	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 193		µg/kg dry	193	22.2	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 193		µg/kg dry	193	25.2	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 193		µg/kg dry	193	23.0	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 193		µg/kg dry	193	29.2	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 193		µg/kg dry	193	33.7	1	"	"	"	"	"	X
218-01-9	Chrysene	< 193		µg/kg dry	193	22.7	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 193		µg/kg dry	193	26.3	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 193		µg/kg dry	193	34.8	1	"	"	"	"	"	X
86-73-7	Fluorene	< 193		µg/kg dry	193	24.2	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 193		µg/kg dry	193	35.2	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 193		µg/kg dry	193	27.9	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 193		µg/kg dry	193	22.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 193		µg/kg dry	193	19.3	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 193		µg/kg dry	193	21.5	1	"	"	"	"	"	X
129-00-0	Pyrene	< 193		µg/kg dry	193	38.3	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*64*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*63*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.9		µg/kg dry	22.9	11.4	1	SW846 8082A	27-Aug-12	28-Aug-12	BLM	1220555	X
11104-28-2	Aroclor-1221	< 22.9		µg/kg dry	22.9	20.6	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	8.76	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.9		µg/kg dry	22.9	21.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.9		µg/kg dry	22.9	7.18	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 30.4		mg/kg dry	30.4	1.5	1	CT ETPH	28-Aug-12	29-Aug-12	SEW	1220656	
68476-30-2	Fuel Oil #2	< 30.4		mg/kg dry	30.4	3.0	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-29 (10-12)	12.110/001	Soil	17-Aug-12 10:30	21-Aug-12
SB54882-30				

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 3550C													
68476-31-3	Fuel Oil #4	< 30.4		mg/kg dry	30.4	3.0	1	CT ETPH	28-Aug-12	29-Aug-12	SEW	1220656	
68553-00-4	Fuel Oil #6	< 30.4		mg/kg dry	30.4	7.6	1	"	"	"	"	"	
M09800000	Motor Oil	< 30.4		mg/kg dry	30.4	3.0	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 30.4		mg/kg dry	30.4	7.6	1	"	"	"	"	"	
	Unidentified	< 30.4		mg/kg dry	30.4	7.6	1	"	"	"	"	"	
	Other Oil	< 30.4		mg/kg dry	30.4	3.0	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 30.4		mg/kg dry	30.4	3.0	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 30.4		mg/kg dry	30.4	2.4	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*61*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**9.03**		mg/kg dry	1.75	0.583	1	SW846 6010C	29-Aug-12	01-Sep-12	EDT	1220371	X
7439-92-1	Lead	**708**		mg/kg dry	1.75	0.180	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**84.8**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-29A (10-12)	12.110/001	Soil	17-Aug-12 10:30	21-Aug-12
SB54882-31				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 202		µg/kg dry	202	22.5	1	SW846 8270D	27-Aug-12	03-Sep-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 202		µg/kg dry	202	22.8	1	"	"	"	"	"	X
120-12-7	Anthracene	< 202		µg/kg dry	202	23.4	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 202		µg/kg dry	202	23.2	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 202		µg/kg dry	202	26.3	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 202		µg/kg dry	202	24.0	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 202		µg/kg dry	202	30.6	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 202		µg/kg dry	202	35.3	1	"	"	"	"	"	X
218-01-9	Chrysene	< 202		µg/kg dry	202	23.8	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 202		µg/kg dry	202	27.5	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 202		µg/kg dry	202	36.5	1	"	"	"	"	"	X
86-73-7	Fluorene	< 202		µg/kg dry	202	25.4	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 202		µg/kg dry	202	36.8	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 202		µg/kg dry	202	29.2	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 202		µg/kg dry	202	23.6	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 202		µg/kg dry	202	20.2	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 202		µg/kg dry	202	22.5	1	"	"	"	"	"	X
129-00-0	Pyrene	< 202		µg/kg dry	202	40.1	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*62*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*63*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.7		µg/kg dry	23.7	11.8	1	SW846 8082A	27-Aug-12	28-Aug-12	BLM	1220555	X
11104-28-2	Aroclor-1221	< 23.7		µg/kg dry	23.7	21.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.7		µg/kg dry	23.7	15.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.7		µg/kg dry	23.7	14.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.7		µg/kg dry	23.7	11.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.7		µg/kg dry	23.7	17.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.7		µg/kg dry	23.7	9.09	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.7		µg/kg dry	23.7	22.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.7		µg/kg dry	23.7	7.44	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 30.7		mg/kg dry	30.7	1.5	1	CT ETPH	28-Aug-12	29-Aug-12	SEW	1220656	
68476-30-2	Fuel Oil #2	< 30.7		mg/kg dry	30.7	3.1	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-29A (10-12) SB54882-31	12.110/001	Soil	17-Aug-12 10:30	21-Aug-12

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 3550C													
68476-31-3	Fuel Oil #4	< 30.7		mg/kg dry	30.7	3.1	1	CT ETPH	28-Aug-12	29-Aug-12	SEW	1220656	
68553-00-4	Fuel Oil #6	< 30.7		mg/kg dry	30.7	7.7	1	"	"	"	"	"	
M09800000	Motor Oil	< 30.7		mg/kg dry	30.7	3.1	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 30.7		mg/kg dry	30.7	7.7	1	"	"	"	"	"	
	Unidentified	< 30.7		mg/kg dry	30.7	7.7	1	"	"	"	"	"	
	Other Oil	< 30.7		mg/kg dry	30.7	3.1	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 30.7		mg/kg dry	30.7	3.1	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 30.7		mg/kg dry	30.7	2.4	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*68*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**8.28**		mg/kg dry	1.68	0.558	1	SW846 6010C	29-Aug-12	01-Sep-12	EDT	1220371	X
7439-92-1	Lead	**741**		mg/kg dry	1.68	0.172	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**81.8**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-30 (1-3)	12.110/001	Soil	17-Aug-12 11:00	21-Aug-12
SB54882-32				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.3		µg/kg dry	20.3	10.1	1	SW846 8082A	27-Aug-12	28-Aug-12	BLM	1220555	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	13.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.3		µg/kg dry	20.3	11.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.3		µg/kg dry	20.3	9.94	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.3		µg/kg dry	20.3	14.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**161**		µg/kg dry	20.3	9.04	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	6.36	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**6.24**		mg/kg dry	1.51	0.503	1	SW846 6010C	29-Aug-12	01-Sep-12	EDT	1220371	X
7439-92-1	Lead	**89.8**		mg/kg dry	1.51	0.155	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**95.0**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-30 (7-9)	12.110/001	Soil	17-Aug-12 11:10	21-Aug-12
SB54882-33				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 196		µg/kg dry	196	21.8	1	SW846 8270D	27-Aug-12	03-Sep-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 196		µg/kg dry	196	22.2	1	"	"	"	"	"	X
120-12-7	Anthracene	< 196		µg/kg dry	196	22.7	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**415**		µg/kg dry	196	22.5	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**498**		µg/kg dry	196	25.6	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**340**		µg/kg dry	196	23.3	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	**553**		µg/kg dry	196	29.7	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**262**		µg/kg dry	196	34.2	1	"	"	"	"	"	X
218-01-9	Chrysene	**502**		µg/kg dry	196	23.1	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	**262**		µg/kg dry	196	26.7	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**619**		µg/kg dry	196	35.4	1	"	"	"	"	"	X
86-73-7	Fluorene	< 196		µg/kg dry	196	24.6	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	**340**		µg/kg dry	196	35.8	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 196		µg/kg dry	196	28.4	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 196		µg/kg dry	196	22.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 196		µg/kg dry	196	19.6	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**550**		µg/kg dry	196	21.8	1	"	"	"	"	"	X
129-00-0	Pyrene	**641**		µg/kg dry	196	38.9	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*35*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*41*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.6		µg/kg dry	23.6	11.8	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220655	X
11104-28-2	Aroclor-1221	< 23.6		µg/kg dry	23.6	21.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.6		µg/kg dry	23.6	15.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.6		µg/kg dry	23.6	13.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.6		µg/kg dry	23.6	11.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**51.8**		µg/kg dry	23.6	10.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.6		µg/kg dry	23.6	9.03	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.6		µg/kg dry	23.6	21.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.6		µg/kg dry	23.6	7.40	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons			R01										
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 63.6		mg/kg dry	63.6	3.2	2	CT ETPH	28-Aug-12	31-Aug-12	SEW	1220660	
68476-30-2	Fuel Oil #2	< 63.6		mg/kg dry	63.6	6.4	2	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-30 (7-9)	12.110/001	Soil	17-Aug-12 11:10	21-Aug-12
SB54882-33				

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 3550C			R01										
68476-31-3	Fuel Oil #4	< 63.6		mg/kg dry	63.6	6.4	2	CT ETPH	28-Aug-12	31-Aug-12	SEW	1220660	
68553-00-4	Fuel Oil #6	< 63.6		mg/kg dry	63.6	15.9	2	"	"	"	"	"	
M09800000	Motor Oil	< 63.6		mg/kg dry	63.6	6.4	2	"	"	"	"	"	
J00100000	Aviation Fuel	< 63.6		mg/kg dry	63.6	15.9	2	"	"	"	"	"	
	Unidentified	**250**		mg/kg dry	63.6	15.9	2	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	63.6	6.4	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**250**		mg/kg dry	63.6	6.4	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**250**		mg/kg dry	63.6	5.0	2	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*85*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**15.2**		mg/kg dry	1.78	0.594	1	SW846 6010C	29-Aug-12	01-Sep-12	EDT	1220371	X
7439-92-1	Lead	**1,720**		mg/kg dry	1.78	0.183	1	"	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods													
	SPLP Extraction	**Completed**		N/A			1	SW846 1312	10-Sep-12	12-Sep-12	BD	1221764	X
7440-38-2	Arsenic	< 0.0080		mg/l	0.0080	0.0062	1	SW846 1312/6010C	11-Sep-12	13-Sep-12	EDT	1221857	
7440-42-8	Boron	< 0.100		mg/l	0.100	0.0084	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**82.9**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-31 (0-2) SB54882-34	12.110/001	Soil	17-Aug-12 12:30	21-Aug-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 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.2		µg/kg dry	20.2	10.1	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220655	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	**157**		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]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**5.44**		mg/kg dry	1.44	0.478	1	SW846 6010C	29-Aug-12	01-Sep-12	EDT	1220371	X
7439-92-1	Lead	**26.1**		mg/kg dry	1.44	0.147	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**90.8**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-31 (6-8)	12.110/001	Soil	17-Aug-12 12:35	21-Aug-12
SB54882-35				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 192		µg/kg dry	192	21.4	1	SW846 8270D	27-Aug-12	03-Sep-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 192		µg/kg dry	192	21.8	1	"	"	"	"	"	X
120-12-7	Anthracene	< 192		µg/kg dry	192	22.3	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 192		µg/kg dry	192	22.1	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 192		µg/kg dry	192	25.1	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 192		µg/kg dry	192	22.9	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 192		µg/kg dry	192	29.1	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 192		µg/kg dry	192	33.6	1	"	"	"	"	"	X
218-01-9	Chrysene	< 192		µg/kg dry	192	22.7	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 192		µg/kg dry	192	26.2	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**227**		µg/kg dry	192	34.8	1	"	"	"	"	"	X
86-73-7	Fluorene	< 192		µg/kg dry	192	24.2	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 192		µg/kg dry	192	35.1	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 192		µg/kg dry	192	27.9	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 192		µg/kg dry	192	22.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 192		µg/kg dry	192	19.2	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 192		µg/kg dry	192	21.4	1	"	"	"	"	"	X
129-00-0	Pyrene	< 192		µg/kg dry	192	38.2	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*49*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*44*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.2		µg/kg dry	23.2	11.6	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220655	X
11104-28-2	Aroclor-1221	< 23.2		µg/kg dry	23.2	20.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.2		µg/kg dry	23.2	14.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.2		µg/kg dry	23.2	13.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.2		µg/kg dry	23.2	11.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.2		µg/kg dry	23.2	17.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.2		µg/kg dry	23.2	8.88	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.2		µg/kg dry	23.2	21.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.2		µg/kg dry	23.2	7.27	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)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 30.0		mg/kg dry	30.0	1.5	1	CT ETPH	28-Aug-12	30-Aug-12	SEW	1220660	
68476-30-2	Fuel Oil #2	< 30.0		mg/kg dry	30.0	3.0	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-31 (6-8)	12.110/001	Soil	17-Aug-12 12:35	21-Aug-12
SB54882-35				

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 3550C													
68476-31-3	Fuel Oil #4	< 30.0		mg/kg dry	30.0	3.0	1	CT ETPH	28-Aug-12	30-Aug-12	SEW	1220660	
68553-00-4	Fuel Oil #6	< 30.0		mg/kg dry	30.0	7.5	1	"	"	"	"	"	
M09800000	Motor Oil	< 30.0		mg/kg dry	30.0	3.0	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 30.0		mg/kg dry	30.0	7.5	1	"	"	"	"	"	
	Unidentified	**62.3**		mg/kg dry	30.0	7.5	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	30.0	3.0	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**62.3**		mg/kg dry	30.0	3.0	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**62.3**		mg/kg dry	30.0	2.3	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*97*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**5.43**		mg/kg dry	1.64	0.545	1	SW846 6010C	29-Aug-12	04-Sep-12	EDT	1220374	X
7439-92-1	Lead	**543**		mg/kg dry	1.64	0.168	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**86.0**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-32 (0-2) SB54882-36	12.110/001	Soil	17-Aug-12 12:50	21-Aug-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 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.3		µg/kg dry	21.3	10.6	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220655	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	13.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.3		µg/kg dry	21.3	12.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.3		µg/kg dry	21.3	10.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.3		µg/kg dry	21.3	15.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**33.0**		µg/kg dry	21.3	8.15	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.3		µg/kg dry	21.3	19.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.3		µg/kg dry	21.3	6.68	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**45.3**		mg/kg dry	1.55	0.515	1	SW846 6010C	29-Aug-12	04-Sep-12	EDT	1220374	X
7439-92-1	Lead	**172**		mg/kg dry	1.55	0.159	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**93.5**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-32 (5-7)	12.110/001	Soil	17-Aug-12 12:55	21-Aug-12
SB54882-37				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 176		µg/kg dry	176	19.7	1	SW846 8270D	27-Aug-12	03-Sep-12	MSL	1220628	X
208-96-8	Acenaphthylene	< 176		µg/kg dry	176	20.0	1	"	"	"	"	"	X
120-12-7	Anthracene	< 176		µg/kg dry	176	20.5	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 176		µg/kg dry	176	20.3	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**216**		µg/kg dry	176	23.0	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**203**		µg/kg dry	176	21.0	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	**208**		µg/kg dry	176	26.7	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**231**		µg/kg dry	176	30.9	1	"	"	"	"	"	X
218-01-9	Chrysene	**239**		µg/kg dry	176	20.8	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 176		µg/kg dry	176	24.1	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**246**		µg/kg dry	176	31.9	1	"	"	"	"	"	X
86-73-7	Fluorene	< 176		µg/kg dry	176	22.2	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 176		µg/kg dry	176	32.2	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 176		µg/kg dry	176	25.6	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 176		µg/kg dry	176	20.6	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 176		µg/kg dry	176	17.6	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**185**		µg/kg dry	176	19.7	1	"	"	"	"	"	X
129-00-0	Pyrene	**294**		µg/kg dry	176	35.1	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*61*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*71*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 19.7		µg/kg dry	19.7	9.83	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220655	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	9.65	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	7.54	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)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 27.1		mg/kg dry	27.1	1.4	1	CT ETPH	28-Aug-12	30-Aug-12	SEW	1220660	
68476-30-2	Fuel Oil #2	< 27.1		mg/kg dry	27.1	2.7	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-32 (5-7)	12.110/001	Soil	17-Aug-12 12:55	21-Aug-12
SB54882-37				

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 3550C													
68476-31-3	Fuel Oil #4	< 27.1		mg/kg dry	27.1	2.7	1	CT ETPH	28-Aug-12	30-Aug-12	SEW	1220660	
68553-00-4	Fuel Oil #6	< 27.1		mg/kg dry	27.1	6.8	1	"	"	"	"	"	
M09800000	Motor Oil	< 27.1		mg/kg dry	27.1	2.7	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 27.1		mg/kg dry	27.1	6.8	1	"	"	"	"	"	
	Unidentified	**73.5**		mg/kg dry	27.1	6.8	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	27.1	2.7	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**73.5**		mg/kg dry	27.1	2.7	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**73.5**		mg/kg dry	27.1	2.1	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*101*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**4.18**		mg/kg dry	1.45	0.482	1	SW846 6010C	29-Aug-12	04-Sep-12	EDT	1220374	X
7439-92-1	Lead	**125**		mg/kg dry	1.45	0.149	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**94.1**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-32 (9-11)	12.110/001	Soil	17-Aug-12 13:00	21-Aug-12
SB54882-38				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 180		µg/kg dry	180	20.0	1	SW846 8270D	28-Aug-12	31-Aug-12	MSL	1220657	X
208-96-8	Acenaphthylene	< 180		µg/kg dry	180	20.3	1	"	"	"	"	"	X
120-12-7	Anthracene	< 180		µg/kg dry	180	20.9	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**278**		µg/kg dry	180	20.7	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**879**		µg/kg dry	180	23.5	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**368**		µg/kg dry	180	21.4	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	**546**		µg/kg dry	180	27.2	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**402**		µg/kg dry	180	31.4	1	"	"	"	"	"	X
218-01-9	Chrysene	**415**		µg/kg dry	180	21.2	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	**233**		µg/kg dry	180	24.5	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**415**		µg/kg dry	180	32.5	1	"	"	"	"	"	X
86-73-7	Fluorene	< 180		µg/kg dry	180	22.6	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	**388**		µg/kg dry	180	32.8	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 180		µg/kg dry	180	26.0	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 180		µg/kg dry	180	21.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 180		µg/kg dry	180	18.0	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**211**		µg/kg dry	180	20.0	1	"	"	"	"	"	X
129-00-0	Pyrene	**453**		µg/kg dry	180	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*70*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*75*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.4		µg/kg dry	21.4	10.7	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220655	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	13.7	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	8.20	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.4		µg/kg dry	21.4	19.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.4		µg/kg dry	21.4	6.72	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)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 27.3		mg/kg dry	27.3	1.4	1	CT ETPH	28-Aug-12	30-Aug-12	SEW	1220660	
68476-30-2	Fuel Oil #2	< 27.3		mg/kg dry	27.3	2.7	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-32 (9-11)	12.110/001	Soil	17-Aug-12 13:00	21-Aug-12
SB54882-38				

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 3550C													
68476-31-3	Fuel Oil #4	< 27.3		mg/kg dry	27.3	2.7	1	CT ETPH	28-Aug-12	30-Aug-12	SEW	1220660	
68553-00-4	Fuel Oil #6	< 27.3		mg/kg dry	27.3	6.8	1	"	"	"	"	"	
M09800000	Motor Oil	< 27.3		mg/kg dry	27.3	2.7	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 27.3		mg/kg dry	27.3	6.8	1	"	"	"	"	"	
	Unidentified	**138**		mg/kg dry	27.3	6.8	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	27.3	2.7	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**138**		mg/kg dry	27.3	2.7	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**138**		mg/kg dry	27.3	2.1	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*94*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**11.9**		mg/kg dry	1.57	0.523	1	SW846 6010C	29-Aug-12	04-Sep-12	EDT	1220374	X
7439-92-1	Lead	**396**		mg/kg dry	1.57	0.162	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**92.9**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-33 (0-2)	12.110/001	Soil	17-Aug-12 13:20	21-Aug-12
SB54882-39				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.5		µg/kg dry	20.5	10.2	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220655	X
11104-28-2	Aroclor-1221	< 20.5		µg/kg dry	20.5	18.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.5		µg/kg dry	20.5	13.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.5		µg/kg dry	20.5	12.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.5		µg/kg dry	20.5	10.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.5		µg/kg dry	20.5	15.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**92.2**		µg/kg dry	20.5	7.85	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.5		µg/kg dry	20.5	19.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.5		µg/kg dry	20.5	6.43	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*190*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3550C			R01										
8006-61-9	Gasoline	< 54.5		mg/kg dry	54.5	2.7	2	CT ETPH	28-Aug-12	31-Aug-12	SEW	1220660	
68476-30-2	Fuel Oil #2	< 54.5		mg/kg dry	54.5	5.5	2	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 54.5		mg/kg dry	54.5	5.5	2	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 54.5		mg/kg dry	54.5	13.6	2	"	"	"	"	"	
M09800000	Motor Oil	< 54.5		mg/kg dry	54.5	5.5	2	"	"	"	"	"	
J00100000	Aviation Fuel	< 54.5		mg/kg dry	54.5	13.6	2	"	"	"	"	"	
	Unidentified	**190**		mg/kg dry	54.5	13.6	2	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	54.5	5.5	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**190**		mg/kg dry	54.5	5.5	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**190**		mg/kg dry	54.5	4.3	2	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*108*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**2.41**		mg/kg dry	1.59	0.530	1	SW846 6010C	29-Aug-12	04-Sep-12	EDT	1220374	X
7439-92-1	Lead	**123**		mg/kg dry	1.59	0.164	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**93.4**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-33 (10-12)	12.110/001	Soil	17-Aug-12 13:30	21-Aug-12
SB54882-40				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 202		µg/kg dry	202	22.5	1	SW846 8270D	28-Aug-12	31-Aug-12	MSL	1220657	X
208-96-8	Acenaphthylene	< 202		µg/kg dry	202	22.9	1	"	"	"	"	"	X
120-12-7	Anthracene	< 202		µg/kg dry	202	23.5	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 202		µg/kg dry	202	23.2	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 202		µg/kg dry	202	26.4	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 202		µg/kg dry	202	24.1	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 202		µg/kg dry	202	30.6	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 202		µg/kg dry	202	35.3	1	"	"	"	"	"	X
218-01-9	Chrysene	**208**		µg/kg dry	202	23.8	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 202		µg/kg dry	202	27.6	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**335**		µg/kg dry	202	36.5	1	"	"	"	"	"	X
86-73-7	Fluorene	< 202		µg/kg dry	202	25.4	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 202		µg/kg dry	202	36.9	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 202		µg/kg dry	202	29.3	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 202		µg/kg dry	202	23.6	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 202		µg/kg dry	202	20.2	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**283**		µg/kg dry	202	22.5	1	"	"	"	"	"	X
129-00-0	Pyrene	**328**		µg/kg dry	202	40.1	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*59*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*56*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.7		µg/kg dry	22.7	11.3	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220655	X
11104-28-2	Aroclor-1221	< 22.7		µg/kg dry	22.7	20.4	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	< 22.7		µg/kg dry	22.7	11.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.7		µg/kg dry	22.7	16.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.7		µg/kg dry	22.7	8.70	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.7		µg/kg dry	22.7	21.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.7		µg/kg dry	22.7	7.12	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons			R01										
Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 64.6		mg/kg dry	64.6	3.2	2	CT ETPH	28-Aug-12	31-Aug-12	SEW	1220660	
68476-30-2	Fuel Oil #2	< 64.6		mg/kg dry	64.6	6.5	2	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-33 (10-12)	12.110/001	Soil	17-Aug-12 13:30	21-Aug-12
SB54882-40				

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 3550C			R01										
68476-31-3	Fuel Oil #4	< 64.6		mg/kg dry	64.6	6.5	2	CT ETPH	28-Aug-12	31-Aug-12	SEW	1220660	
68553-00-4	Fuel Oil #6	< 64.6		mg/kg dry	64.6	16.2	2	"	"	"	"	"	
M09800000	Motor Oil	< 64.6		mg/kg dry	64.6	6.5	2	"	"	"	"	"	
J00100000	Aviation Fuel	< 64.6		mg/kg dry	64.6	16.2	2	"	"	"	"	"	
	Unidentified	**156**		mg/kg dry	64.6	16.2	2	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	64.6	6.5	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**156**		mg/kg dry	64.6	6.5	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**156**		mg/kg dry	64.6	5.1	2	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*105*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**6.29**		mg/kg dry	1.69	0.561	1	SW846 6010C	29-Aug-12	04-Sep-12	EDT	1220374	X
7439-92-1	Lead	**578**		mg/kg dry	1.69	0.173	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**81.9**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220222	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1/MW-1 (5-7)	12.110/001	Soil	16-Aug-12 10:30	21-Aug-12
SB54882-41				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.1		µg/kg dry	23.1	11.5	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220655	X
11104-28-2	Aroclor-1221	< 23.1		µg/kg dry	23.1	20.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.1		µg/kg dry	23.1	14.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.1		µg/kg dry	23.1	13.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.1		µg/kg dry	23.1	11.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.1		µg/kg dry	23.1	16.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**24.2**		µg/kg dry	23.1	8.84	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.1		µg/kg dry	23.1	21.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.1		µg/kg dry	23.1	7.24	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 31.6		mg/kg dry	31.6	1.6	1	CT ETPH	28-Aug-12	30-Aug-12	SEW	1220660	
68476-30-2	Fuel Oil #2	< 31.6		mg/kg dry	31.6	3.2	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 31.6		mg/kg dry	31.6	3.2	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 31.6		mg/kg dry	31.6	7.9	1	"	"	"	"	"	
M09800000	Motor Oil	< 31.6		mg/kg dry	31.6	3.2	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 31.6		mg/kg dry	31.6	7.9	1	"	"	"	"	"	
	Unidentified	**109**		mg/kg dry	31.6	7.9	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	31.6	3.2	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**109**		mg/kg dry	31.6	3.2	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**109**		mg/kg dry	31.6	2.5	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*104*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**2.42**		mg/kg dry	1.71	0.570	1	SW846 6010C	29-Aug-12	04-Sep-12	EDT	1220374	X
7439-92-1	Lead	**74.0**		mg/kg dry	1.71	0.176	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**82.5**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220223	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2/MW-2 (5-7)	12.110/001	Soil	16-Aug-12 13:00	21-Aug-12
SB54882-42				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.0		µg/kg dry	20.0	9.99	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220655	X
11104-28-2	Aroclor-1221	< 20.0		µg/kg dry	20.0	18.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.0		µg/kg dry	20.0	12.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.0		µg/kg dry	20.0	11.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.0		µg/kg dry	20.0	9.81	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.0		µg/kg dry	20.0	14.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**2,820**		µg/kg dry	20.0	7.67	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.0		µg/kg dry	20.0	18.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.0		µg/kg dry	20.0	6.28	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 27.4		mg/kg dry	27.4	1.4	1	CT ETPH	28-Aug-12	30-Aug-12	SEW	1220660	
68476-30-2	Fuel Oil #2	< 27.4		mg/kg dry	27.4	2.7	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 27.4		mg/kg dry	27.4	2.7	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 27.4		mg/kg dry	27.4	6.9	1	"	"	"	"	"	
M09800000	Motor Oil	< 27.4		mg/kg dry	27.4	2.7	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 27.4		mg/kg dry	27.4	6.9	1	"	"	"	"	"	
	Unidentified	**222**		mg/kg dry	27.4	6.9	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	27.4	2.7	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**222**		mg/kg dry	27.4	2.7	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**222**		mg/kg dry	27.4	2.1	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*61*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**15.0**		mg/kg dry	1.51	0.502	1	SW846 6010C	29-Aug-12	04-Sep-12	EDT	1220374	X
7439-92-1	Lead	**888**		mg/kg dry	1.51	0.155	1	"	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods													
	SPLP Extraction	**Completed**		N/A			1	SW846 1312	10-Sep-12	12-Sep-12	BD	1221779	X
7440-38-2	Arsenic	< 0.0080		mg/l	0.0080	0.0062	1	SW846 1312/6010C	11-Sep-12	14-Sep-12	EDT	1221852	
7439-92-1	Lead	< 0.0150		mg/l	0.0150	0.0039	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**93.8**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220223	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3/MW-3 (5-7)	12.110/001	Soil	17-Aug-12 09:00	21-Aug-12
SB54882-43				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.2		µg/kg dry	21.2	10.6	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220655	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	**22.2**		µg/kg dry	21.2	8.11	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	6.64	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)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 27.5		mg/kg dry	27.5	1.4	1	CT ETPH	28-Aug-12	30-Aug-12	SEW	1220660	
68476-30-2	Fuel Oil #2	< 27.5		mg/kg dry	27.5	2.7	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 27.5		mg/kg dry	27.5	2.7	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 27.5		mg/kg dry	27.5	6.9	1	"	"	"	"	"	
M09800000	Motor Oil	< 27.5		mg/kg dry	27.5	2.7	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 27.5		mg/kg dry	27.5	6.9	1	"	"	"	"	"	
	Unidentified	**87.0**		mg/kg dry	27.5	6.9	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	27.5	2.7	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**87.0**		mg/kg dry	27.5	2.7	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**87.0**		mg/kg dry	27.5	2.1	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*121*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**1.64**		mg/kg dry	1.62	0.540	1	SW846 6010C	29-Aug-12	04-Sep-12	EDT	1220374	X
7439-92-1	Lead	**64.4**		mg/kg dry	1.62	0.167	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**91.5**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220223	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4/MW-4 (5-7)	12.110/001	Soil	17-Aug-12 11:00	21-Aug-12
SB54882-44				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 19.9		µg/kg dry	19.9	9.92	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220655	X
11104-28-2	Aroclor-1221	< 19.9		µg/kg dry	19.9	17.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.9		µg/kg dry	19.9	12.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19.9		µg/kg dry	19.9	11.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 19.9		µg/kg dry	19.9	9.74	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 19.9		µg/kg dry	19.9	14.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**118**		µg/kg dry	19.9	7.61	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.9		µg/kg dry	19.9	18.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19.9		µg/kg dry	19.9	6.24	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3550C													
8006-61-9	Gasoline	< 27.3		mg/kg dry	27.3	1.4	1	CT ETPH	28-Aug-12	30-Aug-12	SEW	1220660	
68476-30-2	Fuel Oil #2	< 27.3		mg/kg dry	27.3	2.7	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 27.3		mg/kg dry	27.3	2.7	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 27.3		mg/kg dry	27.3	6.8	1	"	"	"	"	"	
M09800000	Motor Oil	< 27.3		mg/kg dry	27.3	2.7	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 27.3		mg/kg dry	27.3	6.8	1	"	"	"	"	"	
	Unidentified	**117**		mg/kg dry	27.3	6.8	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	27.3	2.7	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**117**		mg/kg dry	27.3	2.7	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**117**		mg/kg dry	27.3	2.1	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*117*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**2.65**		mg/kg dry	1.55	0.515	1	SW846 6010C	29-Aug-12	04-Sep-12	EDT	1220374	X
7439-92-1	Lead	**110**		mg/kg dry	1.55	0.159	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**93.8**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220223	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5/MW-5 (5-7)	12.110/001	Soil	17-Aug-12 13:00	21-Aug-12
SB54882-45				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.2		µg/kg dry	21.2	10.6	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220655	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	**106**		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)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*225*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3550C			R01										
8006-61-9	Gasoline	< 59.7		mg/kg dry	59.7	3.0	2	CT ETPH	28-Aug-12	31-Aug-12	SEW	1220660	
68476-30-2	Fuel Oil #2	< 59.7		mg/kg dry	59.7	6.0	2	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 59.7		mg/kg dry	59.7	6.0	2	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 59.7		mg/kg dry	59.7	14.9	2	"	"	"	"	"	
M09800000	Motor Oil	< 59.7		mg/kg dry	59.7	6.0	2	"	"	"	"	"	
J00100000	Aviation Fuel	< 59.7		mg/kg dry	59.7	14.9	2	"	"	"	"	"	
	Unidentified	**342**		mg/kg dry	59.7	14.9	2	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	59.7	6.0	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**342**		mg/kg dry	59.7	6.0	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**342**		mg/kg dry	59.7	4.7	2	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*125*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**1.94**		mg/kg dry	1.63	0.543	1	SW846 6010C	29-Aug-12	04-Sep-12	EDT	1220374	X
7439-92-1	Lead	**92.9**		mg/kg dry	1.63	0.168	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**88.5**		%			1	SM2540 G Mod.	22-Aug-12	22-Aug-12	DT	1220223	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220628 - SW846 3545A										
Blank (1220628-BLK1)					Prepared: 27-Aug-12 Analyzed: 02-Sep-12					
Acenaphthene	< 167		µg/kg wet	167						
Acenaphthylene	< 167		µg/kg wet	167						
Anthracene	< 167		µg/kg wet	167						
Benzo (a) anthracene	< 167		µg/kg wet	167						
Benzo (a) pyrene	< 167		µg/kg wet	167						
Benzo (b) fluoranthene	< 167		µg/kg wet	167						
Benzo (g,h,i) perylene	< 167		µg/kg wet	167						
Benzo (k) fluoranthene	< 167		µg/kg wet	167						
Chrysene	< 167		µg/kg wet	167						
Dibenzo (a,h) anthracene	< 167		µg/kg wet	167						
Fluoranthene	< 167		µg/kg wet	167						
Fluorene	< 167		µg/kg wet	167						
Indeno (1,2,3-cd) pyrene	< 167		µg/kg wet	167						
1-Methylnaphthalene	< 167		µg/kg wet	167						
2-Methylnaphthalene	< 167		µg/kg wet	167						
Naphthalene	< 167		µg/kg wet	167						
Phenanthrene	< 167		µg/kg wet	167						
Pyrene	< 167		µg/kg wet	167						
Surrogate: 2-Fluorobiphenyl	*1260*		µg/kg wet		*1670*		*75*	*30-130*		
Surrogate: Terphenyl-dl4	*1490*		µg/kg wet		*1670*		*89*	*30-130*		
LCS (1220628-BS1)					Prepared: 27-Aug-12 Analyzed: 02-Sep-12					
Acenaphthene	**1340**		µg/kg wet	167	1670		81	40-140		
Acenaphthylene	**1370**		µg/kg wet	167	1670		82	40-140		
Anthracene	**1240**		µg/kg wet	167	1670		74	40-140		
Benzo (a) anthracene	**1290**		µg/kg wet	167	1670		78	40-140		
Benzo (a) pyrene	**1300**		µg/kg wet	167	1670		78	40-140		
Benzo (b) fluoranthene	**1420**		µg/kg wet	167	1670		85	40-140		
Benzo (g,h,i) perylene	**1300**		µg/kg wet	167	1670		78	40-140		
Benzo (k) fluoranthene	**1190**		µg/kg wet	167	1670		71	40-140		
Chrysene	**1280**		µg/kg wet	167	1670		77	40-140		
Dibenzo (a,h) anthracene	**1330**		µg/kg wet	167	1670		80	40-140		
Fluoranthene	**1210**		µg/kg wet	167	1670		73	40-140		
Fluorene	**1330**		µg/kg wet	167	1670		80	40-140		
Indeno (1,2,3-cd) pyrene	**1350**		µg/kg wet	167	1670		81	40-140		
1-Methylnaphthalene	**1480**		µg/kg wet	167	1670		89	40-140		
2-Methylnaphthalene	**1450**		µg/kg wet	167	1670		87	40-140		
Naphthalene	**1320**		µg/kg wet	167	1670		79	40-140		
Phenanthrene	**1320**		µg/kg wet	167	1670		79	40-140		
Pyrene	**1340**		µg/kg wet	167	1670		80	40-140		
Surrogate: 2-Fluorobiphenyl	*1340*		µg/kg wet		*1670*		*81*	*30-130*		
Surrogate: Terphenyl-dl4	*1500*		µg/kg wet		*1670*		*90*	*30-130*		
Duplicate (1220628-DUP1)			**Source: SB54882-22**		Prepared: 27-Aug-12 Analyzed: 02-Sep-12					
Acenaphthene	< 181		µg/kg dry	181		BRL				30
Acenaphthylene	< 181		µg/kg dry	181		BRL				30
Anthracene	< 181		µg/kg dry	181		BRL				30
Benzo (a) anthracene	**27.1**	J	µg/kg dry	181		36.6			30	30
Benzo (a) pyrene	**23.9**	J,QM4	µg/kg dry	181		35.2			38	30
Benzo (b) fluoranthene	**28.2**	J	µg/kg dry	181		35.2			22	30
Benzo (g,h,i) perylene	< 181		µg/kg dry	181		28.9				30
Benzo (k) fluoranthene	< 181		µg/kg dry	181		38.8				30
Chrysene	**45.9**	J	µg/kg dry	181		53.5			15	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220628 - SW846 3545A										
Duplicate (1220628-DUP1)			**Source: SB54882-22**			Prepared: 27-Aug-12 Analyzed: 02-Sep-12				
Dibenzo (a,h) anthracene	< 181		µg/kg dry	181		BRL				30
Fluoranthene	**43.0**	J	µg/kg dry	181		54.9			24	30
Fluorene	< 181		µg/kg dry	181		BRL				30
Indeno (1,2,3-cd) pyrene	< 181		µg/kg dry	181		BRL				30
1-Methylnaphthalene	< 181		µg/kg dry	181		BRL				30
2-Methylnaphthalene	**22.8**	J	µg/kg dry	181		26.4			15	30
Naphthalene	**19.5**	J	µg/kg dry	181		23.4			18	30
Phenanthrene	**43.4**	J,QM4	µg/kg dry	181		64.8			40	30
Pyrene	< 181		µg/kg dry	181		54.9				30
Surrogate: 2-Fluorobiphenyl	*1020*		µg/kg dry		*1810*		*57*	*30-130*		
Surrogate: Terphenyl-dl4	*1090*		µg/kg dry		*1810*		*60*	*30-130*		
Matrix Spike (1220628-MS1)			**Source: SB54882-22**			Prepared: 27-Aug-12 Analyzed: 03-Sep-12				
Acenaphthene	**1150**		µg/kg dry	179	1790	BRL	64	40-140		
Acenaphthylene	**1130**		µg/kg dry	179	1790	BRL	63	40-140		
Anthracene	**1120**		µg/kg dry	179	1790	BRL	63	40-140		
Benzo (a) anthracene	**934**		µg/kg dry	179	1790	36.6	50	40-140		
Benzo (a) pyrene	**857**		µg/kg dry	179	1790	35.2	46	40-140		
Benzo (b) fluoranthene	**957**		µg/kg dry	179	1790	35.2	51	40-140		
Benzo (g,h,i) perylene	**637**	QM7	µg/kg dry	179	1790	28.9	34	40-140		
Benzo (k) fluoranthene	**911**		µg/kg dry	179	1790	38.8	49	40-140		
Chrysene	**1040**		µg/kg dry	179	1790	53.5	55	40-140		
Dibenzo (a,h) anthracene	**747**		µg/kg dry	179	1790	BRL	42	40-140		
Fluoranthene	**1080**		µg/kg dry	179	1790	54.9	57	40-140		
Fluorene	**1190**		µg/kg dry	179	1790	BRL	67	40-140		
Indeno (1,2,3-cd) pyrene	**689**	QM7	µg/kg dry	179	1790	BRL	38	40-140		
1-Methylnaphthalene	**1250**		µg/kg dry	179	1790	BRL	70	40-140		
2-Methylnaphthalene	**1210**		µg/kg dry	179	1790	26.4	66	40-140		
Naphthalene	**1160**		µg/kg dry	179	1790	23.4	64	40-140		
Phenanthrene	**1150**		µg/kg dry	179	1790	64.8	61	40-140		
Pyrene	**1090**		µg/kg dry	179	1790	54.9	58	40-140		
Surrogate: 2-Fluorobiphenyl	*1170*		µg/kg dry		*1790*		*65*	*30-130*		
Surrogate: Terphenyl-dl4	*1300*		µg/kg dry		*1790*		*73*	*30-130*		
Matrix Spike Dup (1220628-MSD1)			**Source: SB54882-22**			Prepared: 27-Aug-12 Analyzed: 03-Sep-12				
Acenaphthene	**1060**		µg/kg dry	183	1830	BRL	58	40-140	10	30
Acenaphthylene	**1090**		µg/kg dry	183	1830	BRL	59	40-140	6	30
Anthracene	**944**		µg/kg dry	183	1830	BRL	52	40-140	19	30
Benzo (a) anthracene	**918**		µg/kg dry	183	1830	36.6	48	40-140	4	30
Benzo (a) pyrene	**832**		µg/kg dry	183	1830	35.2	44	40-140	5	30
Benzo (b) fluoranthene	**946**		µg/kg dry	183	1830	35.2	50	40-140	3	30
Benzo (g,h,i) perylene	**736**	QM7	µg/kg dry	183	1830	28.9	39	40-140	13	30
Benzo (k) fluoranthene	**734**	QM7	µg/kg dry	183	1830	38.8	38	40-140	25	30
Chrysene	**928**		µg/kg dry	183	1830	53.5	48	40-140	15	30
Dibenzo (a,h) anthracene	**802**		µg/kg dry	183	1830	BRL	44	40-140	5	30
Fluoranthene	**951**		µg/kg dry	183	1830	54.9	49	40-140	15	30
Fluorene	**1040**		µg/kg dry	183	1830	BRL	57	40-140	16	30
Indeno (1,2,3-cd) pyrene	**772**		µg/kg dry	183	1830	BRL	42	40-140	9	30
1-Methylnaphthalene	**1230**		µg/kg dry	183	1830	BRL	67	40-140	4	30
2-Methylnaphthalene	**1080**		µg/kg dry	183	1830	26.4	58	40-140	13	30
Naphthalene	**1070**		µg/kg dry	183	1830	23.4	57	40-140	10	30
Phenanthrene	**1070**		µg/kg dry	183	1830	64.8	55	40-140	10	30
Pyrene	**1010**		µg/kg dry	183	1830	54.9	52	40-140	10	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220628 - SW846 3545A										
Matrix Spike Dup (1220628-MSD1)			**Source: SB54882-22**			Prepared: 27-Aug-12 Analyzed: 03-Sep-12				
Surrogate: 2-Fluorobiphenyl	*1140*		µg/kg dry		*1830*		*62*	*30-130*		
Surrogate: Terphenyl-dl4	*1170*		µg/kg dry		*1830*		*64*	*30-130*		
Batch 1220657 - SW846 3545A										
Blank (1220657-BLK1)						Prepared & Analyzed: 28-Aug-12				
Acenaphthene	< 167		µg/kg wet	167						
Acenaphthylene	< 167		µg/kg wet	167						
Anthracene	< 167		µg/kg wet	167						
Benzo (a) anthracene	< 167		µg/kg wet	167						
Benzo (a) pyrene	< 167		µg/kg wet	167						
Benzo (b) fluoranthene	< 167		µg/kg wet	167						
Benzo (g,h,i) perylene	< 167		µg/kg wet	167						
Benzo (k) fluoranthene	< 167		µg/kg wet	167						
Chrysene	< 167		µg/kg wet	167						
Dibenzo (a,h) anthracene	< 167		µg/kg wet	167						
Fluoranthene	< 167		µg/kg wet	167						
Fluorene	< 167		µg/kg wet	167						
Indeno (1,2,3-cd) pyrene	< 167		µg/kg wet	167						
1-Methylnaphthalene	< 167		µg/kg wet	167						
2-Methylnaphthalene	< 167		µg/kg wet	167						
Naphthalene	< 167		µg/kg wet	167						
Phenanthrene	< 167		µg/kg wet	167						
Pyrene	< 167		µg/kg wet	167						
Surrogate: 2-Fluorobiphenyl	*1370*		µg/kg wet		*1670*		*82*	*30-130*		
Surrogate: Terphenyl-dl4	*1610*		µg/kg wet		*1670*		*97*	*30-130*		
LCS (1220657-BS1)						Prepared & Analyzed: 28-Aug-12				
Acenaphthene	**1040**		µg/kg wet	167	1670		63	40-140		
Acenaphthylene	**1060**		µg/kg wet	167	1670		64	40-140		
Anthracene	**1140**		µg/kg wet	167	1670		68	40-140		
Benzo (a) anthracene	**934**		µg/kg wet	167	1670		56	40-140		
Benzo (a) pyrene	**1150**		µg/kg wet	167	1670		69	40-140		
Benzo (b) fluoranthene	**884**		µg/kg wet	167	1670		53	40-140		
Benzo (g,h,i) perylene	**1130**		µg/kg wet	167	1670		68	40-140		
Benzo (k) fluoranthene	**1450**		µg/kg wet	167	1670		87	40-140		
Chrysene	**1160**		µg/kg wet	167	1670		70	40-140		
Dibenzo (a,h) anthracene	**1220**		µg/kg wet	167	1670		73	40-140		
Fluoranthene	**1020**		µg/kg wet	167	1670		61	40-140		
Fluorene	**1040**		µg/kg wet	167	1670		63	40-140		
Indeno (1,2,3-cd) pyrene	**1000**		µg/kg wet	167	1670		60	40-140		
1-Methylnaphthalene	**1140**		µg/kg wet	167	1670		68	40-140		
2-Methylnaphthalene	**1050**		µg/kg wet	167	1670		63	40-140		
Naphthalene	**1010**		µg/kg wet	167	1670		61	40-140		
Phenanthrene	**1000**		µg/kg wet	167	1670		60	40-140		
Pyrene	**1040**		µg/kg wet	167	1670		62	40-140		
Surrogate: 2-Fluorobiphenyl	*919*		µg/kg wet		*1670*		*55*	*30-130*		
Surrogate: Terphenyl-dl4	*1080*		µg/kg wet		*1670*		*65*	*30-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220188 - SW846 3545A										
Blank (1220188-BLK1)					Prepared: 22-Aug-12 Analyzed: 24-Aug-12					
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]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*29.0*		µg/kg wet		*20.0*		*145*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		
LCS (1220188-BS1)					Prepared: 22-Aug-12 Analyzed: 24-Aug-12					
Aroclor-1016	**261**		µg/kg wet	20.0	250		104	40-140		
Aroclor-1016 [2C]	**261**		µg/kg wet	20.0	250		104	40-140		
Aroclor-1260	**262**		µg/kg wet	20.0	250		105	40-140		
Aroclor-1260 [2C]	**231**		µg/kg wet	20.0	250		92	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*30.0*		µg/kg wet		*20.0*		*150*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		
LCS Dup (1220188-BSD1)					Prepared: 22-Aug-12 Analyzed: 24-Aug-12					
Aroclor-1016	**260**		µg/kg wet	20.0	250		104	40-140	0.4	30
Aroclor-1016 [2C]	**256**		µg/kg wet	20.0	250		102	40-140	2	30
Aroclor-1260	**261**		µg/kg wet	20.0	250		104	40-140	0.4	30
Aroclor-1260 [2C]	**226**		µg/kg wet	20.0	250		90	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*30.0*		µg/kg wet		*20.0*		*150*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Duplicate (1220188-DUP1)			**Source: SB54882-04**		Prepared: 22-Aug-12 Analyzed: 24-Aug-12					
Aroclor-1016	< 21.1		µg/kg dry	21.1		BRL				30
Aroclor-1016 [2C]	< 21.1		µg/kg dry	21.1		BRL				30
Aroclor-1221	< 21.1		µg/kg dry	21.1		BRL				30
Aroclor-1221 [2C]	< 21.1		µg/kg dry	21.1		BRL				30
Aroclor-1232	< 21.1		µg/kg dry	21.1		BRL				30
Aroclor-1232 [2C]	< 21.1		µg/kg dry	21.1		BRL				30
Aroclor-1242	< 21.1		µg/kg dry	21.1		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220188 - SW846 3545A										
Duplicate (1220188-DUP1)			**Source: SB54882-04**			Prepared: 22-Aug-12 Analyzed: 24-Aug-12				
Aroclor-1242 [2C]	< 21.1		µg/kg dry	21.1		BRL				30
Aroclor-1248	< 21.1		µg/kg dry	21.1		BRL				30
Aroclor-1248 [2C]	< 21.1		µg/kg dry	21.1		BRL				30
Aroclor-1254	< 21.1		µg/kg dry	21.1		BRL				30
Aroclor-1254 [2C]	< 21.1		µg/kg dry	21.1		BRL				30
Aroclor-1260	< 21.1		µg/kg dry	21.1		BRL				30
Aroclor-1260 [2C]	< 21.1		µg/kg dry	21.1		BRL				30
Aroclor-1262	< 21.1		µg/kg dry	21.1		BRL				30
Aroclor-1262 [2C]	< 21.1		µg/kg dry	21.1		BRL				30
Aroclor-1268	< 21.1		µg/kg dry	21.1		BRL				30
Aroclor-1268 [2C]	< 21.1		µg/kg dry	21.1		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.9*		µg/kg dry		*21.1*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.1*		µg/kg dry		*21.1*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.4*		µg/kg dry		*21.1*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.2*		µg/kg dry		*21.1*		*105*	*30-150*		
Matrix Spike (1220188-MS1)			**Source: SB54882-04**			Prepared: 22-Aug-12 Analyzed: 24-Aug-12				
Aroclor-1016	**278**		µg/kg dry	21.8	272	BRL	102	40-140		
Aroclor-1016 [2C]	**279**		µg/kg dry	21.8	272	BRL	102	40-140		
Aroclor-1260	**225**		µg/kg dry	21.8	272	BRL	83	40-140		
Aroclor-1260 [2C]	**222**		µg/kg dry	21.8	272	BRL	82	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.8*		µg/kg dry		*21.8*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.9*		µg/kg dry		*21.8*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*31.6*		µg/kg dry		*21.8*		*145*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*26.1*		µg/kg dry		*21.8*		*120*	*30-150*		
Matrix Spike Dup (1220188-MSD1)			**Source: SB54882-04**			Prepared: 22-Aug-12 Analyzed: 24-Aug-12				
Aroclor-1016	**252**		µg/kg dry	22.5	281	BRL	90	40-140	13	30
Aroclor-1016 [2C]	**282**		µg/kg dry	22.5	281	BRL	100	40-140	2	30
Aroclor-1260	**215**		µg/kg dry	22.5	281	BRL	76	40-140	8	30
Aroclor-1260 [2C]	**230**		µg/kg dry	22.5	281	BRL	82	40-140	0	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.5*		µg/kg dry		*22.5*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*23.6*		µg/kg dry		*22.5*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*31.5*		µg/kg dry		*22.5*		*140*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*27.0*		µg/kg dry		*22.5*		*120*	*30-150*		
Batch 1220555 - SW846 3545A										
Blank (1220555-BLK1)						Prepared & Analyzed: 27-Aug-12				
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						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220555 - SW846 3545A										
Blank (1220555-BLK1)					Prepared & Analyzed: 27-Aug-12					
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)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS (1220555-BS1)					Prepared & Analyzed: 27-Aug-12					
Aroclor-1016	**267**		µg/kg wet	20.0	250		107	40-140		
Aroclor-1016 [2C]	**307**		µg/kg wet	20.0	250		123	40-140		
Aroclor-1260	**251**		µg/kg wet	20.0	250		100	40-140		
Aroclor-1260 [2C]	**280**		µg/kg wet	20.0	250		112	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
LCS Dup (1220555-BSD1)					Prepared & Analyzed: 27-Aug-12					
Aroclor-1016	**268**		µg/kg wet	20.0	250		107	40-140	0.4	30
Aroclor-1016 [2C]	**307**		µg/kg wet	20.0	250		123	40-140	0	30
Aroclor-1260	**295**		µg/kg wet	20.0	250		118	40-140	16	30
Aroclor-1260 [2C]	**276**		µg/kg wet	20.0	250		110	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Matrix Spike (1220555-MS1)			**Source: SB54882-23**		Prepared & Analyzed: 27-Aug-12					
Aroclor-1016	**236**		µg/kg dry	19.5	244	BRL	97	40-140		
Aroclor-1016 [2C]	**243**		µg/kg dry	19.5	244	BRL	100	40-140		
Aroclor-1260	**213**		µg/kg dry	19.5	244	36.6	73	40-140		
Aroclor-1260 [2C]	**252**		µg/kg dry	19.5	244	51.5	82	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.6*		µg/kg dry		*19.5*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.6*		µg/kg dry		*19.5*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.6*		µg/kg dry		*19.5*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.6*		µg/kg dry		*19.5*		*80*	*30-150*		
Matrix Spike Dup (1220555-MSD1)			**Source: SB54882-23**		Prepared & Analyzed: 27-Aug-12					
Aroclor-1016	**274**		µg/kg dry	19.8	247	BRL	111	40-140	13	30
Aroclor-1016 [2C]	**226**		µg/kg dry	19.8	247	BRL	91	40-140	9	30
Aroclor-1260	**270**		µg/kg dry	19.8	247	36.6	94	40-140	26	30
Aroclor-1260 [2C]	**244**		µg/kg dry	19.8	247	51.5	78	40-140	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.9*		µg/kg dry		*19.8*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.8*		µg/kg dry		*19.8*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.8*		µg/kg dry		*19.8*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.8*		µg/kg dry		*19.8*		*85*	*30-150*		
Batch 1220655 - SW846 3545A										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220655 - SW846 3545A										
Blank (1220655-BLK1)					Prepared & Analyzed: 28-Aug-12					
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]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*27.0*		µg/kg wet		*20.0*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
LCS (1220655-BS1)					Prepared & Analyzed: 28-Aug-12					
Aroclor-1016	**243**		µg/kg wet	20.0	250		97	40-140		
Aroclor-1016 [2C]	**241**		µg/kg wet	20.0	250		96	40-140		
Aroclor-1260	**243**		µg/kg wet	20.0	250		97	40-140		
Aroclor-1260 [2C]	**212**		µg/kg wet	20.0	250		85	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS Dup (1220655-BSD1)					Prepared & Analyzed: 28-Aug-12					
Aroclor-1016	**244**		µg/kg wet	20.0	250		98	40-140	0.4	30
Aroclor-1016 [2C]	**245**		µg/kg wet	20.0	250		98	40-140	2	30
Aroclor-1260	**247**		µg/kg wet	20.0	250		99	40-140	2	30
Aroclor-1260 [2C]	**214**		µg/kg wet	20.0	250		86	40-140	0.9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Duplicate (1220655-DUP1)			**Source: SB54882-37**		Prepared: 28-Aug-12 Analyzed: 29-Aug-12					
Aroclor-1016	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1016 [2C]	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1221	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1221 [2C]	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1232	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1232 [2C]	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1242	< 20.0		µg/kg dry	20.0		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220655 - SW846 3545A										
Duplicate (1220655-DUP1)			**Source: SB54882-37**			Prepared: 28-Aug-12 Analyzed: 29-Aug-12				
Aroclor-1242 [2C]	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1248	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1248 [2C]	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1254	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1254 [2C]	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1260	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1260 [2C]	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1262	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1262 [2C]	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1268	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1268 [2C]	< 20.0		µg/kg dry	20.0		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.02*		µg/kg dry		*20.0*		*45*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*9.02*		µg/kg dry		*20.0*		*45*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.0*		µg/kg dry		*20.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*10.0*		µg/kg dry		*20.0*		*50*	*30-150*		
Matrix Spike (1220655-MS1)			**Source: SB54882-37**			Prepared: 28-Aug-12 Analyzed: 29-Aug-12				
Aroclor-1016	**215**		µg/kg dry	20.1	251	BRL	86	40-140		
Aroclor-1016 [2C]	**223**		µg/kg dry	20.1	251	BRL	89	40-140		
Aroclor-1260	**181**		µg/kg dry	20.1	251	BRL	72	40-140		
Aroclor-1260 [2C]	**159**		µg/kg dry	20.1	251	BRL	63	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.1*		µg/kg dry		*20.1*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.1*		µg/kg dry		*20.1*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.1*		µg/kg dry		*20.1*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.1*		µg/kg dry		*20.1*		*95*	*30-150*		
Matrix Spike Dup (1220655-MSD1)			**Source: SB54882-37**			Prepared: 28-Aug-12 Analyzed: 29-Aug-12				
Aroclor-1016	**199**		µg/kg dry	19.9	249	BRL	80	40-140	7	30
Aroclor-1016 [2C]	**212**		µg/kg dry	19.9	249	BRL	85	40-140	4	30
Aroclor-1260	**179**		µg/kg dry	19.9	249	BRL	72	40-140	0.00004	30
Aroclor-1260 [2C]	**154**		µg/kg dry	19.9	249	BRL	62	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.9*		µg/kg dry		*19.9*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*15.0*		µg/kg dry		*19.9*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.9*		µg/kg dry		*19.9*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.9*		µg/kg dry		*19.9*		*85*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220610 - SW846 3550C										
Blank (1220610-BLK1)					Prepared: 27-Aug-12 Analyzed: 29-Aug-12					
Gasoline	< 26.6		mg/kg wet	26.6						
Fuel Oil #2	< 26.6		mg/kg wet	26.6						
Fuel Oil #4	< 26.6		mg/kg wet	26.6						
Fuel Oil #6	< 26.6		mg/kg wet	26.6						
Motor Oil	< 26.6		mg/kg wet	26.6						
Aviation Fuel	< 26.6		mg/kg wet	26.6						
Unidentified	< 26.6		mg/kg wet	26.6						
Other Oil	< 26.6		mg/kg wet	26.6						
Total Petroleum Hydrocarbons	< 26.6		mg/kg wet	26.6						
C9-C36 Aliphatic Hydrocarbons	< 26.6		mg/kg wet	26.6						
n-Nonadecane	< 0.005		mg/kg wet	0.005						
n-Nonane	< 0.005		mg/kg wet	0.005						
n-Decane	< 0.005		mg/kg wet	0.005						
n-Dodecane	< 0.005		mg/kg wet	0.005						
n-Tetradecane	< 0.005		mg/kg wet	0.005						
n-Hexadecane	< 0.005		mg/kg wet	0.005						
n-Octadecane	< 0.005		mg/kg wet	0.005						
n-Eicosane	< 0.005		mg/kg wet	0.005						
n-Docosane	< 0.005		mg/kg wet	0.005						
n-Tetracosane	< 0.005		mg/kg wet	0.005						
n-Hexacosane	< 0.005		mg/kg wet	0.005						
n-Octacosane	< 0.005		mg/kg wet	0.005						
n-Triacontane	< 0.005		mg/kg wet	0.005						
n-Hexatriacontane	< 0.005		mg/kg wet	0.005						
Surrogate: 1-Chlorooctadecane	*3.86*		mg/kg wet		*3.33*		*116*	*50-150*		
LCS (1220610-BS1)					Prepared: 27-Aug-12 Analyzed: 29-Aug-12					
C9-C36 Aliphatic Hydrocarbons	**136**		mg/kg wet	26.6	187		73	60-120		
Surrogate: 1-Chlorooctadecane	*4.25*		mg/kg wet		*3.33*		*127*	*50-150*		
Batch 1220656 - SW846 3550C										
Blank (1220656-BLK1)					Prepared: 28-Aug-12 Analyzed: 29-Aug-12					
Gasoline	< 26.6		mg/kg wet	26.6						
Fuel Oil #2	< 26.6		mg/kg wet	26.6						
Fuel Oil #4	< 26.6		mg/kg wet	26.6						
Fuel Oil #6	< 26.6		mg/kg wet	26.6						
Motor Oil	< 26.6		mg/kg wet	26.6						
Aviation Fuel	< 26.6		mg/kg wet	26.6						
Unidentified	< 26.6		mg/kg wet	26.6						
Other Oil	< 26.6		mg/kg wet	26.6						
Total Petroleum Hydrocarbons	< 26.6		mg/kg wet	26.6						
C9-C36 Aliphatic Hydrocarbons	< 26.6		mg/kg wet	26.6						
n-Nonadecane	< 0.005		mg/kg wet	0.005						
n-Nonane	< 0.005		mg/kg wet	0.005						
n-Decane	< 0.005		mg/kg wet	0.005						
n-Dodecane	< 0.005		mg/kg wet	0.005						
n-Tetradecane	< 0.005		mg/kg wet	0.005						
n-Hexadecane	< 0.005		mg/kg wet	0.005						
n-Octadecane	< 0.005		mg/kg wet	0.005						
n-Eicosane	< 0.005		mg/kg wet	0.005						
n-Docosane	< 0.005		mg/kg wet	0.005						
n-Tetracosane	< 0.005		mg/kg wet	0.005						
n-Hexacosane	< 0.005		mg/kg wet	0.005						

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220656 - SW846 3550C										
Blank (1220656-BLK1)					Prepared: 28-Aug-12 Analyzed: 29-Aug-12					
n-Octacosane	< 0.005		mg/kg wet	0.005						
n-Triacontane	< 0.005		mg/kg wet	0.005						
n-Hexatriacontane	< 0.005		mg/kg wet	0.005						
Surrogate: 1-Chlorooctadecane	*2.36*		mg/kg wet		*3.33*		*71*	*50-150*		
LCS (1220656-BS1)					Prepared: 28-Aug-12 Analyzed: 29-Aug-12					
C9-C36 Aliphatic Hydrocarbons	**90.7**		mg/kg wet	26.6	93.3		97	60-120		
Surrogate: 1-Chlorooctadecane	*2.46*		mg/kg wet		*3.33*		*74*	*50-150*		
Duplicate (1220656-DUP1)			**Source: SB54882-27**		Prepared: 28-Aug-12 Analyzed: 29-Aug-12					
Gasoline	< 28.1		mg/kg dry	28.1		BRL				50
Fuel Oil #2	< 28.1		mg/kg dry	28.1		BRL				50
Fuel Oil #4	< 28.1		mg/kg dry	28.1		BRL				50
Fuel Oil #6	< 28.1		mg/kg dry	28.1		BRL				50
Motor Oil	< 28.1		mg/kg dry	28.1		BRL				50
Aviation Fuel	< 28.1		mg/kg dry	28.1		BRL				50
Unidentified	**91.7**		mg/kg dry	28.1		84.1			9	50
Other Oil	**Calculated as**		mg/kg dry	28.1		alculated a				50
Total Petroleum Hydrocarbons	**91.7**		mg/kg dry	28.1		84.1			9	50
C9-C36 Aliphatic Hydrocarbons	**91.7**		mg/kg dry	28.1		84.1			9	50
Surrogate: 1-Chlorooctadecane	*2.30*		mg/kg dry		*3.52*		*65*	*50-150*		
Matrix Spike (1220656-MS1)			**Source: SB54882-27**		Prepared: 28-Aug-12 Analyzed: 29-Aug-12					
C9-C36 Aliphatic Hydrocarbons	**158**		mg/kg dry	27.7	97.2	84.1	76	50-150		
Surrogate: 1-Chlorooctadecane	*1.91*		mg/kg dry		*3.47*		*55*	*50-150*		
Matrix Spike Dup (1220656-MSD1)			**Source: SB54882-27**		Prepared: 28-Aug-12 Analyzed: 29-Aug-12					
C9-C36 Aliphatic Hydrocarbons	**169**		mg/kg dry	27.9	98.0	84.1	86	50-150	13	30
Surrogate: 1-Chlorooctadecane	*2.25*		mg/kg dry		*3.50*		*64*	*50-150*		
Batch 1220660 - SW846 3550C										
Blank (1220660-BLK1)					Prepared: 28-Aug-12 Analyzed: 30-Aug-12					
Gasoline	< 26.6		mg/kg wet	26.6						
Fuel Oil #2	< 26.6		mg/kg wet	26.6						
Fuel Oil #4	< 26.6		mg/kg wet	26.6						
Fuel Oil #6	< 26.6		mg/kg wet	26.6						
Motor Oil	< 26.6		mg/kg wet	26.6						
Aviation Fuel	< 26.6		mg/kg wet	26.6						
Unidentified	< 26.6		mg/kg wet	26.6						
Other Oil	< 26.6		mg/kg wet	26.6						
Total Petroleum Hydrocarbons	< 26.6		mg/kg wet	26.6						
C9-C36 Aliphatic Hydrocarbons	< 26.6		mg/kg wet	26.6						
n-Nonadecane	< 0.005		mg/kg wet	0.005						
n-Nonane	< 0.005		mg/kg wet	0.005						
n-Decane	< 0.005		mg/kg wet	0.005						
n-Dodecane	< 0.005		mg/kg wet	0.005						
n-Tetradecane	< 0.005		mg/kg wet	0.005						
n-Hexadecane	< 0.005		mg/kg wet	0.005						
n-Octadecane	< 0.005		mg/kg wet	0.005						
n-Eicosane	< 0.005		mg/kg wet	0.005						
n-Docosane	< 0.005		mg/kg wet	0.005						
n-Tetracosane	< 0.005		mg/kg wet	0.005						
n-Hexacosane	< 0.005		mg/kg wet	0.005						
n-Octacosane	< 0.005		mg/kg wet	0.005						
n-Triacontane	< 0.005		mg/kg wet	0.005						

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220660 - SW846 3550C										
Blank (1220660-BLK1)					Prepared: 28-Aug-12 Analyzed: 30-Aug-12					
n-Hexatriacontane	< 0.005		mg/kg wet	0.005						
Surrogate: 1-Chlorooctadecane	*4.52*		mg/kg wet		*3.33*		*136*	*50-150*		
LCS (1220660-BS1)					Prepared: 28-Aug-12 Analyzed: 30-Aug-12					
C9-C36 Aliphatic Hydrocarbons	**108**		mg/kg wet	26.6	93.3		116	60-120		
Surrogate: 1-Chlorooctadecane	*3.67*		mg/kg wet		*6.67*		*55*	*50-150*		
Duplicate (1220660-DUP1)			**Source: SB54882-37**		Prepared: 28-Aug-12 Analyzed: 30-Aug-12					
Gasoline	< 27.4		mg/kg dry	27.4		BRL				50
Fuel Oil #2	< 27.4		mg/kg dry	27.4		BRL				50
Fuel Oil #4	< 27.4		mg/kg dry	27.4		BRL				50
Fuel Oil #6	< 27.4		mg/kg dry	27.4		BRL				50
Motor Oil	< 27.4		mg/kg dry	27.4		BRL				50
Aviation Fuel	< 27.4		mg/kg dry	27.4		BRL				50
Unidentified	**71.8**		mg/kg dry	27.4		73.5			2	50
Other Oil	**Calculated as**		mg/kg dry	27.4		alculated a				50
Total Petroleum Hydrocarbons	**71.8**		mg/kg dry	27.4		73.5			2	50
C9-C36 Aliphatic Hydrocarbons	**71.8**		mg/kg dry	27.4		73.5			2	50
Surrogate: 1-Chlorooctadecane	*3.68*		mg/kg dry		*3.43*		*107*	*50-150*		
Matrix Spike (1220660-MS1)			**Source: SB54882-37**		Prepared: 28-Aug-12 Analyzed: 30-Aug-12					
C9-C36 Aliphatic Hydrocarbons	**196**		mg/kg dry	27.8	97.6	73.5	125	50-150		
Surrogate: 1-Chlorooctadecane	*4.21*		mg/kg dry		*3.48*		*121*	*50-150*		
Matrix Spike Dup (1220660-MSD1)			**Source: SB54882-37**		Prepared: 28-Aug-12 Analyzed: 30-Aug-12					
C9-C36 Aliphatic Hydrocarbons	**149**	QR5	mg/kg dry	27.0	94.6	73.5	79	50-150	45	30
Surrogate: 1-Chlorooctadecane	*3.14*		mg/kg dry		*3.38*		*93*	*50-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220369 - SW846 3050B										
Blank (1220369-BLK1)						Prepared: 29-Aug-12 Analyzed: 31-Aug-12				
Lead	< 1.46		mg/kg wet	1.46						
Arsenic	< 1.46		mg/kg wet	1.46						
Duplicate (1220369-DUP1)			**Source: SB54882-13**			Prepared: 29-Aug-12 Analyzed: 31-Aug-12				
Lead	**50.0**		mg/kg dry	1.67		46.4			7	20
Arsenic	**4.37**	QR6	mg/kg dry	1.67		44.9			165	20
Matrix Spike (1220369-MS1)			**Source: SB54882-13**			Prepared: 29-Aug-12 Analyzed: 31-Aug-12				
Lead	**151**		mg/kg dry	1.54	128	46.4	82	75-125		
Arsenic	**112**	QM9	mg/kg dry	1.54	128	44.9	53	75-125		
Matrix Spike Dup (1220369-MSD1)			**Source: SB54882-13**			Prepared: 29-Aug-12 Analyzed: 31-Aug-12				
Lead	**148**		mg/kg dry	1.60	134	46.4	76	75-125	2	20
Arsenic	**118**	QM9	mg/kg dry	1.60	134	44.9	55	75-125	5	20
Reference (1220369-SRM1)						Prepared: 29-Aug-12 Analyzed: 31-Aug-12				
Lead	**31.9**		mg/kg wet	1.50	38.6		83	81.3-118.7		
Arsenic	**74.1**		mg/kg wet	1.50	84.3		88	83.3-117.2		
Reference (1220369-SRM2)						Prepared: 29-Aug-12 Analyzed: 31-Aug-12				
Lead	**33.7**		mg/kg wet	1.50	39.3		86	81.3-118.7		
Arsenic	**77.9**		mg/kg wet	1.50	85.8		91	83.3-117.2		
Batch 1220371 - SW846 3050B										
Blank (1220371-BLK1)						Prepared: 29-Aug-12 Analyzed: 31-Aug-12				
Lead	< 1.45		mg/kg wet	1.45						
Arsenic	< 1.45		mg/kg wet	1.45						
Duplicate (1220371-DUP1)			**Source: SB54882-34**			Prepared: 29-Aug-12 Analyzed: 01-Sep-12				
Lead	**26.1**		mg/kg dry	1.63		26.1			0.1	20
Arsenic	**4.12**	QR6	mg/kg dry	1.63		5.44			28	20
Matrix Spike (1220371-MS1)			**Source: SB54882-34**			Prepared: 29-Aug-12 Analyzed: 01-Sep-12				
Lead	**122**		mg/kg dry	1.45	121	26.1	79	75-125		
Arsenic	**106**		mg/kg dry	1.45	121	5.44	83	75-125		
Matrix Spike Dup (1220371-MSD1)			**Source: SB54882-34**			Prepared: 29-Aug-12 Analyzed: 01-Sep-12				
Lead	**123**		mg/kg dry	1.46	122	26.1	80	75-125	0.8	20
Arsenic	**108**		mg/kg dry	1.46	122	5.44	84	75-125	2	20
Post Spike (1220371-PS1)			**Source: SB54882-34**			Prepared: 29-Aug-12 Analyzed: 01-Sep-12				
Lead	**125**		mg/kg dry	1.44	120	26.1	82	80-120		
Arsenic	**108**		mg/kg dry	1.44	120	5.44	85	80-120		
Reference (1220371-SRM1)						Prepared: 29-Aug-12 Analyzed: 31-Aug-12				
Lead	**33.1**		mg/kg wet	1.50	38.5		86	81.3-118.7		
Arsenic	**70.4**		mg/kg wet	1.50	84.2		84	83.3-117.2		
Reference (1220371-SRM2)						Prepared: 29-Aug-12 Analyzed: 31-Aug-12				
Lead	**35.2**		mg/kg wet	1.50	39.5		89	81.3-118.7		
Arsenic	**72.4**		mg/kg wet	1.50	86.2		84	83.3-117.2		
Batch 1220374 - SW846 3050B										
Blank (1220374-BLK1)						Prepared: 29-Aug-12 Analyzed: 04-Sep-12				
Lead	< 1.43		mg/kg wet	1.43						
Arsenic	< 1.43		mg/kg wet	1.43						
Duplicate (1220374-DUP1)			**Source: SB54882-35**			Prepared: 29-Aug-12 Analyzed: 04-Sep-12				

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220374 - SW846 3050B										
Duplicate (1220374-DUP1)			**Source: SB54882-35**			Prepared: 29-Aug-12 Analyzed: 04-Sep-12				
Lead	**619**		mg/kg dry	1.62		543			13	20
Arsenic	**8.26**	QR6	mg/kg dry	1.62		5.43			41	20
Matrix Spike (1220374-MS1)			**Source: SB54882-35**			Prepared: 29-Aug-12 Analyzed: 04-Sep-12				
Lead	**650**		mg/kg dry	1.62	135	543	80	75-125		
Arsenic	**132**		mg/kg dry	1.62	135	5.43	94	75-125		
Matrix Spike Dup (1220374-MSD1)			**Source: SB54882-35**			Prepared: 29-Aug-12 Analyzed: 04-Sep-12				
Lead	**577**	QM4X	mg/kg dry	1.61	134	543	26	75-125	12	20
Arsenic	**132**		mg/kg dry	1.61	134	5.43	94	75-125	0.2	20
Post Spike (1220374-PS1)			**Source: SB54882-35**			Prepared: 29-Aug-12 Analyzed: 04-Sep-12				
Arsenic	**134**		mg/kg dry	1.64	137	5.43	94	80-120		
Reference (1220374-SRM1)						Prepared: 29-Aug-12 Analyzed: 04-Sep-12				
Lead	**35.6**		mg/kg wet	1.50	38.5		92	81.3-118.7		
Arsenic	**75.1**		mg/kg wet	1.50	84.2		89	83.3-117.2		
Reference (1220374-SRM2)						Prepared: 29-Aug-12 Analyzed: 04-Sep-12				
Lead	**36.0**		mg/kg wet	1.50	38.7		93	81.3-118.7		
Arsenic	**75.8**		mg/kg wet	1.50	84.6		90	83.3-117.2		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1221852 - SW846 3010A										
Blank (1221852-BLK1)						Prepared: 11-Sep-12 Analyzed: 14-Sep-12				
Lead	< 0.0150		mg/l	0.0150						
Arsenic	< 0.0080		mg/l	0.0080						
LCS (1221852-BS1)						Prepared: 11-Sep-12 Analyzed: 14-Sep-12				
Lead	**2.51**		mg/l	0.0150	2.50		101	85-115		
Arsenic	**2.48**		mg/l	0.0080	2.50		99	85-115		
LCS Dup (1221852-BSD1)						Prepared: 11-Sep-12 Analyzed: 14-Sep-12				
Lead	**2.51**		mg/l	0.0150	2.50		100	85-115	0.2	20
Arsenic	**2.47**		mg/l	0.0080	2.50		99	85-115	0.4	20
Batch 1221857 - SW846 3010A										
Blank (1221857-BLK1)						Prepared: 11-Sep-12 Analyzed: 12-Sep-12				
Arsenic	< 0.0080		mg/l	0.0080						
Boron	< 0.100		mg/l	0.100						
LCS (1221857-BS1)						Prepared: 11-Sep-12 Analyzed: 12-Sep-12				
Arsenic	**2.61**		mg/l	0.0080	2.50		104	85-115		
Boron	**2.61**		mg/l	0.100	2.50		104	85-115		
LCS Dup (1221857-BSD1)						Prepared: 11-Sep-12 Analyzed: 12-Sep-12				
Arsenic	**2.62**		mg/l	0.0080	2.50		105	85-115	0.3	20
Boron	**2.62**		mg/l	0.100	2.50		105	85-115	0.6	20

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220221 - General Preparation										
Duplicate (1220221-DUP1)			**Source: SB54882-01**			Prepared & Analyzed: 22-Aug-12				
% Solids	**95.4**		%			94.7			0.8	20
Batch 1220222 - General Preparation										
Duplicate (1220222-DUP1)			**Source: SB54882-21**			Prepared & Analyzed: 22-Aug-12				
% Solids	**94.6**		%			94.3			0.3	20
Batch 1220223 - General Preparation										
Duplicate (1220223-DUP1)			**Source: SB54882-41**			Prepared & Analyzed: 22-Aug-12				
% Solids	**82.5**		%			82.5			0.07	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S207084				
Initial Cal Check (S207084-ICV1)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	4.328447E+08	3.6	30
n-Nonadecane	3.83221E+08	3.864184E+08	0.8	30
n-Nonane	3.760245E+08	3.810221E+08	1.3	30
n-Decane	3.778375E+08	3.834961E+08	1.5	30
n-Dodecane	3.788807E+08	3.871111E+08	2.2	30
n-Tetradecane	3.809677E+08	3.850187E+08	1.1	30
n-Hexadecane	4.009974E+08	3.887511E+08	-3.1	30
n-Octadecane	3.8215E+08	3.875529E+08	1.4	30
n-Eicosane	3.817038E+08	3.832283E+08	0.4	30
n-Docosane	3.842103E+08	3.831643E+08	-0.3	30
n-Tetracosane	3.785843E+08	3.794521E+08	0.2	30
n-Hexacosane	3.799583E+08	3.767443E+08	-0.8	30
n-Octacosane	3.763625E+08	3.634367E+08	-3.4	30
n-Triacontane	3.74937E+08	3.708258E+08	-1.1	30
n-Hexatriacontane	3.62442E+08	3.495067E+08	-3.6	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S208034				
Initial Cal Check (S208034-ICV1)				
C9-C36 Aliphatic Hydrocarbons	5.327389E+08	3.673748E+08	-17.1	30
n-Nonadecane	3.933746E+08	3.747953E+08	-4.7	30
n-Nonane	3.929746E+08	3.578485E+08	-8.9	30
n-Decane	3.948813E+08	3.612419E+08	-8.5	30
n-Dodecane	3.96756E+08	3.665154E+08	-7.6	30
n-Tetradecane	3.993644E+08	3.671097E+08	-8.1	30
n-Hexadecane	4.183792E+08	3.744515E+08	-10.5	30
n-Octadecane	3.977692E+08	3.76497E+08	-5.3	30
n-Eicosane	3.919853E+08	3.737729E+08	-4.6	30
n-Docosane	3.819314E+08	3.705025E+08	-3.0	30
n-Tetracosane	3.498953E+08	3.540993E+08	1.2	30
n-Hexacosane	3.169274E+08	3.29682E+08	4.0	30
n-Octacosane	2.853707E+08	2.889172E+08	1.2	30
n-Triacontane	2.619333E+08	2.732404E+08	4.3	30
n-Hexatriacontane	2.28994E+08	2.417398E+08	5.6	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D		Limit
Batch S210454					
Calibration Check (S210454-CCV1)					
C9-C36 Aliphatic Hydrocarbons	5.327389E+08	4.127353E+08	-6.3		30
n-Nonadecane	3.933746E+08	3.055451E+08	-22.3		30
n-Nonane	3.929746E+08	2.679336E+08	-31.8	#	30
n-Decane	3.948813E+08	2.826218E+08	-28.4		30
n-Dodecane	3.96756E+08	2.890561E+08	-27.1		30
n-Tetradecane	3.993644E+08	2.961539E+08	-25.8		30
n-Hexadecane	4.183792E+08	3.047443E+08	-27.2		30
n-Octadecane	3.977692E+08	3.077582E+08	-22.6		30
n-Eicosane	3.919853E+08	3.072554E+08	-21.6		30
n-Docosane	3.819314E+08	3.038682E+08	-20.4		30
n-Tetracosane	3.498953E+08	3.01818E+08	-13.7		30
n-Hexacosane	3.169274E+08	3.022979E+08	-4.6		30
n-Octacosane	2.853707E+08	2.990468E+08	4.8		30
n-Triacontane	2.619333E+08	2.991098E+08	14.2		30
n-Hexatriacontane	2.28994E+08	2.960551E+08	29.3		30

Analyte(s)	Average RF	CCRF	% D		Limit
Batch S210454					
Calibration Check (S210454-CCV2)					
C9-C36 Aliphatic Hydrocarbons	5.327389E+08	4.067941E+08	-7.7		30
n-Nonadecane	3.933746E+08	3.610213E+08	-8.2		30
n-Nonane	3.929746E+08	3.172682E+08	-19.3		30
n-Decane	3.948813E+08	3.333647E+08	-15.6		30
n-Dodecane	3.96756E+08	3.414058E+08	-14.0		30
n-Tetradecane	3.993644E+08	3.503332E+08	-12.3		30
n-Hexadecane	4.183792E+08	3.58583E+08	-14.3		30
n-Octadecane	3.977692E+08	3.626725E+08	-8.8		30
n-Eicosane	3.919853E+08	3.642277E+08	-7.1		30
n-Docosane	3.819314E+08	3.612969E+08	-5.4		30
n-Tetracosane	3.498953E+08	3.585259E+08	2.5		30
n-Hexacosane	3.169274E+08	3.57719E+08	12.9		30
n-Octacosane	2.853707E+08	3.523988E+08	23.5		30
n-Triacontane	2.619333E+08	3.399632E+08	29.8		30
n-Hexatriacontane	2.28994E+08	3.427457E+08	49.7	#	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D		Limit
Batch S210516					
Calibration Check (S210516-CCV1)					
C9-C36 Aliphatic Hydrocarbons	5.327389E+08	3.497165E+08	-21.4		30
n-Nonadecane	3.933746E+08	2.889868E+08	-26.5		30
n-Nonane	3.929746E+08	2.51726E+08	-35.9	#	30
n-Decane	3.948813E+08	2.764632E+08	-30.0		30
n-Dodecane	3.96756E+08	2.816472E+08	-29.0		30
n-Tetradecane	3.993644E+08	2.798622E+08	-29.9		30
n-Hexadecane	4.183792E+08	2.93717E+08	-29.8		30
n-Octadecane	3.977692E+08	2.91592E+08	-26.7		30
n-Eicosane	3.919853E+08	2.913336E+08	-25.7		30
n-Docosane	3.819314E+08	2.857994E+08	-25.2		30
n-Tetracosane	3.498953E+08	2.828659E+08	-19.2		30
n-Hexacosane	3.169274E+08	2.827938E+08	-10.8		30
n-Octacosane	2.853707E+08	2.795569E+08	-2.0		30
n-Triacontane	2.619333E+08	2.802554E+08	7.0		30
n-Hexatriacontane	2.28994E+08	2.785247E+08	21.6		30

Analyte(s)	Average RF	CCRF	% D		Limit
Batch S210516					
Calibration Check (S210516-CCV2)					
C9-C36 Aliphatic Hydrocarbons	5.327389E+08	4.191875E+08	-4.7		30
n-Nonadecane	3.933746E+08	3.62491E+08	-7.9		30
n-Nonane	3.929746E+08	3.12713E+08	-20.4		30
n-Decane	3.948813E+08	3.307973E+08	-16.2		30
n-Dodecane	3.96756E+08	3.407874E+08	-14.1		30
n-Tetradecane	3.993644E+08	3.517386E+08	-11.9		30
n-Hexadecane	4.183792E+08	3.609582E+08	-13.7		30
n-Octadecane	3.977692E+08	3.647175E+08	-8.3		30
n-Eicosane	3.919853E+08	3.657376E+08	-6.7		30
n-Docosane	3.819314E+08	3.607192E+08	-5.6		30
n-Tetracosane	3.498953E+08	3.591437E+08	2.6		30
n-Hexacosane	3.169274E+08	3.57207E+08	12.7		30
n-Octacosane	2.853707E+08	3.517797E+08	23.3		30
n-Triacontane	2.619333E+08	3.400858E+08	29.8		30
n-Hexatriacontane	2.28994E+08	3.43083E+08	49.8	#	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S210532				
Calibration Check (S210532-CCV1)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	4.709991E+08	14.5	30
n-Nonadecane	3.83221E+08	3.783914E+08	-1.3	30
n-Nonane	3.760245E+08	3.16055E+08	-15.9	30
n-Decane	3.778375E+08	3.346435E+08	-11.4	30
n-Dodecane	3.788807E+08	3.4982E+08	-7.7	30
n-Tetradecane	3.809677E+08	3.663992E+08	-3.8	30
n-Hexadecane	4.009974E+08	3.735541E+08	-6.8	30
n-Octadecane	3.8215E+08	3.784467E+08	-1.0	30
n-Eicosane	3.817038E+08	3.789638E+08	-0.7	30
n-Docosane	3.842103E+08	3.826374E+08	-0.4	30
n-Tetracosane	3.785843E+08	3.798657E+08	0.3	30
n-Hexacosane	3.799583E+08	3.736195E+08	-1.7	30
n-Octacosane	3.763625E+08	3.7348E+08	-0.8	30
n-Triacontane	3.74937E+08	3.69227E+08	-1.5	30
n-Hexatriacontane	3.62442E+08	3.573125E+08	-1.4	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S210532				
Calibration Check (S210532-CCV2)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	3.920746E+08	-8.1	30
n-Nonadecane	3.83221E+08	3.543886E+08	-7.5	30
n-Nonane	3.760245E+08	2.646214E+08	-29.6	30
n-Decane	3.778375E+08	2.974263E+08	-21.3	30
n-Dodecane	3.788807E+08	3.156425E+08	-16.7	30
n-Tetradecane	3.809677E+08	3.349728E+08	-12.1	30
n-Hexadecane	4.009974E+08	3.466121E+08	-13.6	30
n-Octadecane	3.8215E+08	3.518252E+08	-7.9	30
n-Eicosane	3.817038E+08	3.542332E+08	-7.2	30
n-Docosane	3.842103E+08	3.561437E+08	-7.3	30
n-Tetracosane	3.785843E+08	3.522843E+08	-6.9	30
n-Hexacosane	3.799583E+08	3.558341E+08	-6.3	30
n-Octacosane	3.763625E+08	3.53766E+08	-6.0	30
n-Triacontane	3.74937E+08	3.541205E+08	-5.6	30
n-Hexatriacontane	3.62442E+08	3.429912E+08	-5.4	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S210532				
Calibration Check (S210532-CCV3)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	4.602826E+08	11.4	30
n-Nonadecane	3.83221E+08	4.114844E+08	7.4	30
n-Nonane	3.760245E+08	3.264042E+08	-13.2	30
n-Decane	3.778375E+08	3.486192E+08	-7.7	30
n-Dodecane	3.788807E+08	3.707522E+08	-2.1	30
n-Tetradecane	3.809677E+08	3.915932E+08	2.8	30
n-Hexadecane	4.009974E+08	4.030374E+08	0.5	30
n-Octadecane	3.8215E+08	4.098002E+08	7.2	30
n-Eicosane	3.817038E+08	4.089304E+08	7.1	30
n-Docosane	3.842103E+08	4.145363E+08	7.9	30
n-Tetracosane	3.785843E+08	4.12458E+08	8.9	30
n-Hexacosane	3.799583E+08	4.189358E+08	10.3	30
n-Octacosane	3.763625E+08	4.131354E+08	9.8	30
n-Triacontane	3.74937E+08	4.181324E+08	11.5	30
n-Hexatriacontane	3.62442E+08	4.060338E+08	12.0	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S210596				
Calibration Check (S210596-CCV1)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	3.920746E+08	-8.1	30
n-Nonadecane	3.83221E+08	3.543886E+08	-7.5	30
n-Nonane	3.760245E+08	2.646214E+08	-29.6	30
n-Decane	3.778375E+08	2.974263E+08	-21.3	30
n-Dodecane	3.788807E+08	3.156425E+08	-16.7	30
n-Tetradecane	3.809677E+08	3.349728E+08	-12.1	30
n-Hexadecane	4.009974E+08	3.466121E+08	-13.6	30
n-Octadecane	3.8215E+08	3.518252E+08	-7.9	30
n-Eicosane	3.817038E+08	3.542332E+08	-7.2	30
n-Docosane	3.842103E+08	3.561437E+08	-7.3	30
n-Tetracosane	3.785843E+08	3.522843E+08	-6.9	30
n-Hexacosane	3.799583E+08	3.558341E+08	-6.3	30
n-Octacosane	3.763625E+08	3.53766E+08	-6.0	30
n-Triacontane	3.74937E+08	3.541205E+08	-5.6	30
n-Hexatriacontane	3.62442E+08	3.429912E+08	-5.4	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S210596				
Calibration Check (S210596-CCV2)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	4.602826E+08	11.4	30
n-Nonadecane	3.83221E+08	4.114844E+08	7.4	30
n-Nonane	3.760245E+08	3.264042E+08	-13.2	30
n-Decane	3.778375E+08	3.486192E+08	-7.7	30
n-Dodecane	3.788807E+08	3.707522E+08	-2.1	30
n-Tetradecane	3.809677E+08	3.915932E+08	2.8	30
n-Hexadecane	4.009974E+08	4.030374E+08	0.5	30
n-Octadecane	3.8215E+08	4.098002E+08	7.2	30
n-Eicosane	3.817038E+08	4.089304E+08	7.1	30
n-Docosane	3.842103E+08	4.145363E+08	7.9	30
n-Tetracosane	3.785843E+08	4.12458E+08	8.9	30
n-Hexacosane	3.799583E+08	4.189358E+08	10.3	30
n-Octacosane	3.763625E+08	4.131354E+08	9.8	30
n-Triacontane	3.74937E+08	4.181324E+08	11.5	30
n-Hexatriacontane	3.62442E+08	4.060338E+08	12.0	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S210596				
Calibration Check (S210596-CCV3)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	4.636595E+08	12.4	30
n-Nonadecane	3.83221E+08	4.408961E+08	15.1	30
n-Nonane	3.760245E+08	4.207103E+08	11.9	30
n-Decane	3.778375E+08	4.177022E+08	10.6	30
n-Dodecane	3.788807E+08	4.20314E+08	10.9	30
n-Tetradecane	3.809677E+08	4.282445E+08	12.4	30
n-Hexadecane	4.009974E+08	4.396888E+08	9.6	30
n-Octadecane	3.8215E+08	4.434898E+08	16.1	30
n-Eicosane	3.817038E+08	4.453554E+08	16.7	30
n-Docosane	3.842103E+08	4.389138E+08	14.2	30
n-Tetracosane	3.785843E+08	4.386388E+08	15.9	30
n-Hexacosane	3.799583E+08	4.454563E+08	17.2	30
n-Octacosane	3.763625E+08	4.449634E+08	18.2	30
n-Triacontane	3.74937E+08	4.488097E+08	19.7	30
n-Hexatriacontane	3.62442E+08	4.46223E+08	23.1	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S210641				
Calibration Check (S210641-CCV1)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	4.341386E+08	3.9	30
n-Nonadecane	3.83221E+08	3.861704E+08	0.8	30
n-Nonane	3.760245E+08	3.6588E+08	-2.7	30
n-Decane	3.778375E+08	3.647766E+08	-3.5	30
n-Dodecane	3.788807E+08	3.652387E+08	-3.6	30
n-Tetradecane	3.809677E+08	3.731554E+08	-2.1	30
n-Hexadecane	4.009974E+08	3.838418E+08	-4.3	30
n-Octadecane	3.8215E+08	3.884064E+08	1.6	30
n-Eicosane	3.817038E+08	3.879126E+08	1.6	30
n-Docosane	3.842103E+08	3.838306E+08	-0.1	30
n-Tetracosane	3.785843E+08	3.844245E+08	1.5	30
n-Hexacosane	3.799583E+08	3.895365E+08	2.5	30
n-Octacosane	3.763625E+08	3.89208E+08	3.4	30
n-Triacontane	3.74937E+08	3.923417E+08	4.6	30
n-Hexatriacontane	3.62442E+08	3.907108E+08	7.8	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S210641				
Calibration Check (S210641-CCV2)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	4.262497E+08	1.7	30
n-Nonadecane	3.83221E+08	3.86696E+08	0.9	30
n-Nonane	3.760245E+08	3.684501E+08	-2.0	30
n-Decane	3.778375E+08	3.672041E+08	-2.8	30
n-Dodecane	3.788807E+08	3.667854E+08	-3.2	30
n-Tetradecane	3.809677E+08	3.731963E+08	-2.0	30
n-Hexadecane	4.009974E+08	3.840316E+08	-4.2	30
n-Octadecane	3.8215E+08	3.890529E+08	1.8	30
n-Eicosane	3.817038E+08	3.894449E+08	2.0	30
n-Docosane	3.842103E+08	3.880441E+08	1.0	30
n-Tetracosane	3.785843E+08	3.898258E+08	3.0	30
n-Hexacosane	3.799583E+08	3.959002E+08	4.2	30
n-Octacosane	3.763625E+08	3.962799E+08	5.3	30
n-Triacontane	3.74937E+08	4.000769E+08	6.7	30
n-Hexatriacontane	3.62442E+08	3.978213E+08	9.8	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S210641				
Calibration Check (S210641-CCV3)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	4.923638E+08	20.6	30
n-Nonadecane	3.83221E+08	4.076838E+08	6.4	30
n-Nonane	3.760245E+08	3.902431E+08	3.8	30
n-Decane	3.778375E+08	3.88899E+08	2.9	30
n-Dodecane	3.788807E+08	3.897127E+08	2.9	30
n-Tetradecane	3.809677E+08	3.96632E+08	4.1	30
n-Hexadecane	4.009974E+08	4.069683E+08	1.5	30
n-Octadecane	3.8215E+08	4.115174E+08	7.7	30
n-Eicosane	3.817038E+08	4.122758E+08	8.0	30
n-Docosane	3.842103E+08	4.084468E+08	6.3	30
n-Tetracosane	3.785843E+08	4.086281E+08	7.9	30
n-Hexacosane	3.799583E+08	4.140195E+08	9.0	30
n-Octacosane	3.763625E+08	4.128436E+08	9.7	30
n-Triacontane	3.74937E+08	4.149954E+08	10.7	30
n-Hexatriacontane	3.62442E+08	4.203524E+08	16.0	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S210646				
Calibration Check (S210646-CCV1)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	4.341386E+08	3.9	30
n-Nonadecane	3.83221E+08	3.861704E+08	0.8	30
n-Nonane	3.760245E+08	3.6588E+08	-2.7	30
n-Decane	3.778375E+08	3.647766E+08	-3.5	30
n-Dodecane	3.788807E+08	3.652387E+08	-3.6	30
n-Tetradecane	3.809677E+08	3.731554E+08	-2.1	30
n-Hexadecane	4.009974E+08	3.838418E+08	-4.3	30
n-Octadecane	3.8215E+08	3.884064E+08	1.6	30
n-Eicosane	3.817038E+08	3.879126E+08	1.6	30
n-Docosane	3.842103E+08	3.838306E+08	-0.1	30
n-Tetracosane	3.785843E+08	3.844245E+08	1.5	30
n-Hexacosane	3.799583E+08	3.895365E+08	2.5	30
n-Octacosane	3.763625E+08	3.89208E+08	3.4	30
n-Triacontane	3.74937E+08	3.923417E+08	4.6	30
n-Hexatriacontane	3.62442E+08	3.907108E+08	7.8	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S210646				
Calibration Check (S210646-CCV2)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	4.262497E+08	1.7	30
n-Nonadecane	3.83221E+08	3.86696E+08	0.9	30
n-Nonane	3.760245E+08	3.684501E+08	-2.0	30
n-Decane	3.778375E+08	3.672041E+08	-2.8	30
n-Dodecane	3.788807E+08	3.667854E+08	-3.2	30
n-Tetradecane	3.809677E+08	3.731963E+08	-2.0	30
n-Hexadecane	4.009974E+08	3.840316E+08	-4.2	30
n-Octadecane	3.8215E+08	3.890529E+08	1.8	30
n-Eicosane	3.817038E+08	3.894449E+08	2.0	30
n-Docosane	3.842103E+08	3.880441E+08	1.0	30
n-Tetracosane	3.785843E+08	3.898258E+08	3.0	30
n-Hexacosane	3.799583E+08	3.959002E+08	4.2	30
n-Octacosane	3.763625E+08	3.962799E+08	5.3	30
n-Triacontane	3.74937E+08	4.000769E+08	6.7	30
n-Hexatriacontane	3.62442E+08	3.978213E+08	9.8	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S210646				
Calibration Check (S210646-CCV3)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	4.923638E+08	20.6	30
n-Nonadecane	3.83221E+08	4.076838E+08	6.4	30
n-Nonane	3.760245E+08	3.902431E+08	3.8	30
n-Decane	3.778375E+08	3.88899E+08	2.9	30
n-Dodecane	3.788807E+08	3.897127E+08	2.9	30
n-Tetradecane	3.809677E+08	3.96632E+08	4.1	30
n-Hexadecane	4.009974E+08	4.069683E+08	1.5	30
n-Octadecane	3.8215E+08	4.115174E+08	7.7	30
n-Eicosane	3.817038E+08	4.122758E+08	8.0	30
n-Docosane	3.842103E+08	4.084468E+08	6.3	30
n-Tetracosane	3.785843E+08	4.086281E+08	7.9	30
n-Hexacosane	3.799583E+08	4.140195E+08	9.0	30
n-Octacosane	3.763625E+08	4.128436E+08	9.7	30
n-Triacontane	3.74937E+08	4.149954E+08	10.7	30
n-Hexatriacontane	3.62442E+08	4.203524E+08	16.0	30

Notes and Definitions

GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
QM4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR5	RPD out of acceptance range.
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.
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).

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
Rebecca Merz

SB 54882 ✓ BM

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 5

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: NEIL PAYNE
PAYNE ENVIRONMENTAL LLC
85 WILLOW ST
NEW HAVEN, CT 06511
Telephone #: 203.865.1285
Project Mgr. NEIL PAYNE

Invoice To: GAIL SIMON
SAME

P.O. No.: 12.110/001 RQN: 7511

Project No.: 12.110/001
Site Name: RIVERSIDE APTS
Location: ANSONIA State: CT
Sampler(s): NP

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= H_3PO_4 11= COOL 12= _____

List preservative code below: 11

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: CT-ETPH	PAHs (8270)	Total Pb, As	PCBs (8082)	MA DEP MCP CAM Report: Yes ☐ No ☐ CT DPH RCP Report: Yes ☑ No ☐
54882-01	SB-15 (2-4)	8/16/12	0920	G	SO		1					✓	✓	
02	SB-15 (5-7)		0925	G	SO		1			✓	✓	✓	✓	
03	SB-16 (1-3)		0945	G	SO		1					✓	✓	
04	SB-16 (8-12)		0955	G	SO		1			✓	✓	✓	✓	
05	HA-1 (0-1)		1025	G	SO		1			✓		✓	✓	
06	SB-17 (1-3)		1035	G	SO		1			✓		✓	✓	
07	SB-17 (13-15)		1050	G	SO		1			✓	✓	✓	✓	
08	SB-18 (2-4)		1105	G	SO		1					✓	✓	
09	SB-18 (6-8)		1108	G	SO		1			✓	✓	✓	✓	
10	SB-19 (1-3)		1120	G	SO		1					✓	✓	

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

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Neil M Payne	[illegible]	8/21/12	12:30p	
[illegible]	SB/OK	8/21/12	14:40	2.0

☐ EDD Format _____
☑ E-mail to npayne@paynecorp.com

Condition upon receipt:
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SB 54882 - 84 ✓

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 5

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: PAYNE ENVIRONMENTAL LLC
85 WILLOW ST
NEW HAVEN, CT 06511

Telephone #: 203.865.1285
Project Mgr. NEIL PAYNE

Invoice To: GAIL SIMEO
SAME

P.O. No.: _____ RQN: 7511

Project No.: 12.110 1001
Site Name: RIVERSIDE APTS
Location: ANSONIA State: CT
Sampler(s): NP

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=H_3PO_4 11= COOL 12= _____

List preservative code below: 11

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: CT-ETPH	PAHs (8270)	Total Pb, As	PCBs (8082)	MA DEP MCP CAM Report: Yes ☐ No ☐ CT DPH RCP Report: Yes ☑ No ☐
54882-11	SB-19 (6-8)	8/16/12	1125	G	SO		1			✓	✓	✓	✓	
12	SB-20 (10-12)		1150	G	SO		1			✓	✓	✓	✓	
13	SB-21 (0-2)		1305	G	SO		1					✓	✓	
14	SB-21 (10-12)		1315	G	SO		1			✓	✓	✓	✓	
15	SB-22 (1-3)		1325	G	SO		1					✓	✓	
16	SB-22 (14-15)		1340	G	SO		1			✓	✓	✓	✓	
17	SB-23 (1-3)		1405	G	SO		1					✓	✓	
18	SB-23 (8-10)		1415	G	SO		1			✓	✓	✓	✓	
19	SB-24 (8-10)		1440	G	SO		1			✓	✓	✓	✓	
20	SB-24A (8-10)		1440	G	SO		1			✓	✓	✓	✓	

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

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Neil Payne	[illegible]	8/21/12	12:30p	2.0
[illegible]	[illegible]	8/21/12	15:40	

☐ EDD Format _____
☑ E-mail to npayne@paynecorp.com

Condition upon receipt:
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SB 54882 ✓ CT

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 5

Special Handling:
- ☑ Standard TAT - 7 to 10 business days
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: PAYNE ENVIRONMENTAL LLC
85 WILLOW ST
NEW HAVEN, CT 06511

Telephone #: 203.865.1285
Project Mgr. NEIL PAYNE

Invoice To: GAIL SIMON
SAME

P.O. No.: _____ RQN: 7511

Project No.: 12.110 1001
Site Name: RIVERSIDE APTS
Location: ANSONIA State: CT
Sampler(s): NP

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= H_3PO_4 11= COOL 12= _____

List preservative code below: 11

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= _____

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 IV*
☐ Other _____

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: CT-ETPH	PAHs (8270)	TOTAL PB, AS	RCRS (6010)
54882-21	SB-25 (0-2)	8/17/12	0820	G	SO		1					✓	✓
22	SB-25 (6-8)		0825	G	SO		1			✓	✓	✓	✓
23	SB-26 (1-3)		0850	G	SO		1					✓	✓
24	SB-26 (10-12)		0900	G	SO		1			✓	✓	✓	✓
25	SB-27 (0-2)		0945	G	SO		1					✓	✓
26	SB-27 (12-14)		1000	G	SO		1			✓	✓	✓	✓
27	SB-28 (1-3)		1003	G	SO		1			✓		✓	✓
28	SB-28 (12-14)		1018	G	SO		1			✓	✓	✓	✓
29	SB-29 (0-2)		1020	G	SO		1					✓	✓
30	SB-29 (10-12)		1030	G	SO		1			✓	✓	✓	✓

Relinquished by:	Received by:	Date:	Time:	Temp°C
Neil M Payne Jr	[illegible]	8/21/12	12:30p	2.0
		8/21/12	1448	

☐ EDD Format _____
☑ E-mail to npayne@payneenv.com

Condition upon receipt:
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SB54882 ✓ PM

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 5

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: PAYNE ENVIRONMENTAL, LLC
85 WILLOW ST
NEW HAVEN, CT 06511

Telephone #: 203.865.1285
Project Mgr. NEIL PAYNE

Invoice To: GAIL SIMON
SAME

P.O. No.: _____ RQN: 7511

Project No.: 12.110/001
Site Name: RIVERSIDE APTS
Location: ANSONIA State: CT
Sampler(s): NP

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=H_3PO_4 11= COOL 12= _____

List preservative code below: 11

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: CT-ETPH	PANS (8270)	TOTAL PB, AS	PCBs (9082)
SB54882-31	SB-29A (10-12)	8/17/12	1030	G	SO		1			✓	✓	✓	✓
32	SB-30 (1-3)		1100	G	SO		1					✓	✓
33	SB-30 (7-9)		1110	G	SO		1			✓	✓	✓	✓
34	SB-31 (0-2)		1230	G	SO		1					✓	✓
35	SB-31 (6-8)		1235	G	SO		1			✓	✓	✓	✓
36	SB-32 (0-2)		1250	G	SO		1					✓	✓
37	SB-32 (5-7)		1255	G	SO		1			✓	✓	✓	✓
38	SB-32 (9-11)		1300	G	SO		1			✓	✓	✓	✓
39	SB-33 (0-2)		1320	G	SO		1			✓		✓	✓
40	SB-33 (10-12)		1330	G	SO		1			✓	✓	✓	✓

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 IV*
☐ Other _____

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Neil Le Payne	Jet	8/21/12	12:30p	2.0
Jet		8/21/12	1440	

☐ EDD Format _____
☑ E-mail to npayne@payneenv.com

Condition upon receipt:
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SB 54882 DY ✓

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 5 of 5

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: PAYNE ENVIRONMENTAL LLC
85 WILLOW ST
NEW HAVEN, CT 06511

Telephone #: 203-865-1285
Project Mgr. NEIL PAYNE

Invoice To: GAIL SIMON
SAME

P.O. No.: _____ RQN: 7511

Project No.: 12.110100
Site Name: RIVERSIDE APTS
Location: ANSONIA State: CT
Sampler(s): NP

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= H_3PO_4 11= Cool 12= _____

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	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	List preservative code below: 11	Analyses: PCBs (8082)	Total Pb, As	CT-ETPH
SB54882-41	B-1/MW-1 (5-7)	8/16/12	1030	G	SO		1				1	1	1
42	B-2/MW-2 (5-7)	"	1300	G	SO		1				1	1	1
43	B-3/MW-3 (5-7)	8/17/12	0900	G	SO		1				1	1	1
44	B-4/MW-4 (5-7)	"	1100	G	SO		1				1	1	1
45	B-5/MW-5 (5-7)	"	1300	G	SO		1				1	1	1

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 IV*
☐ Other _____

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Neil Payne	Jet	8/21/12	12:30p	2.0
Jet		8/21/12	1440	

☐ EDD Format _____
☑ E-mail to npayne@payneenvironmental.com

Condition upon receipt:
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

11 Almgren Drive
Agawam, MA 01001
(413) 789-9018

This preceding chain of custody has been amended to include the client requested additional analyses as noted below:

Laboratory ID	*Client ID*	*Analysis*	*Added*
SB54882-24	SB-26 (10-12)	SPLP Arsenic by ICP	9/7/2012
SB54882-24	SB-26 (10-12)	SPLP Extraction for Metals	9/7/2012
SB54882-24	SB-26 (10-12)	SPLP Lead by ICP	9/7/2012
SB54882-33	SB-30 (7-9)	SPLP Arsenic by ICP	9/7/2012
SB54882-33	SB-30 (7-9)	SPLP Boron by ICP	9/7/2012
SB54882-33	SB-30 (7-9)	SPLP Extraction for Metals	9/7/2012
SB54882-42	B-2/MW-2 (5-7)	SPLP Arsenic by ICP	9/7/2012
SB54882-42	B-2/MW-2 (5-7)	SPLP Extraction for Metals	9/7/2012
SB54882-42	B-2/MW-2 (5-7)	SPLP Lead by ICP	9/7/2012

Report Date:
14-Sep-12 14:03

☐ Final Report
☐ Re-Issued Report
☑ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Payne Environmental, LLC
85 Willow Street
New Haven, CT 06511
Attn: Neil Payne

Project: Riverside Apts - Ansonia, CT
Project #: 12-110/001

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB55111-01	HA-2	Soil	22-Aug-12 10:10	23-Aug-12 17:45
SB55111-02	HA-3	Soil	22-Aug-12 10:14	23-Aug-12 17:45
SB55111-03	HA-4	Soil	22-Aug-12 10:15	23-Aug-12 17:45
SB55111-04	HA-5	Soil	22-Aug-12 10:29	23-Aug-12 17:45
SB55111-05	HA-6	Soil	22-Aug-12 10:31	23-Aug-12 17:45
SB55111-06	HA-7	Soil	22-Aug-12 10:32	23-Aug-12 17:45
SB55111-07	HA-8	Soil	22-Aug-12 10:35	23-Aug-12 17:45
SB55111-08	HA-9	Soil	22-Aug-12 10:38	23-Aug-12 17:45
SB55111-09	HA-10	Soil	22-Aug-12 10:40	23-Aug-12 17:45
SB55111-10	HA-11	Soil	22-Aug-12 10:41	23-Aug-12 17:45
SB55111-11	HA-12	Soil	22-Aug-12 10:42	23-Aug-12 17:45
SB55111-12	HA-13	Soil	22-Aug-12 12:28	23-Aug-12 17:45
SB55111-13	HA-14	Soil	22-Aug-12 12:29	23-Aug-12 17:45
SB55111-14	HA-15	Soil	22-Aug-12 12:31	23-Aug-12 17:45
SB55111-15	HA-16	Soil	22-Aug-12 12:32	23-Aug-12 17:45
SB55111-16	HA-17	Soil	22-Aug-12 12:34	23-Aug-12 17:45
SB55111-17	HA-18	Soil	22-Aug-12 12:35	23-Aug-12 17:45
SB55111-18	HA-19	Soil	22-Aug-12 12:37	23-Aug-12 17:45
SB55111-19	HA-20	Soil	22-Aug-12 12:39	23-Aug-12 17:45
SB55111-20	HA-21	Soil	22-Aug-12 13:00	23-Aug-12 17:45
SB55111-21	HA-22	Soil	22-Aug-12 13:04	23-Aug-12 17:45
SB55111-22	HA-23	Soil	22-Aug-12 13:05	23-Aug-12 17:45
SB55111-23	HA-24	Soil	22-Aug-12 13:06	23-Aug-12 17:45
SB55111-24	HA-25	Soil	22-Aug-12 13:08	23-Aug-12 17:45
SB55111-25	HA-26	Soil	22-Aug-12 13:10	23-Aug-12 17:45
SB55111-26	HA-27	Soil	22-Aug-12 13:11	23-Aug-12 17:45
SB55111-27	HA-28	Soil	22-Aug-12 13:12	23-Aug-12 17:45
SB55111-28	HA-29	Soil	22-Aug-12 13:25	23-Aug-12 17:45
SB55111-29	HA-30	Soil	22-Aug-12 13:26	23-Aug-12 17:45
SB55111-30	HA-31	Soil	22-Aug-12 13:28	23-Aug-12 17:45
SB55111-31	HA-32	Soil	22-Aug-12 13:29	23-Aug-12 17:45
SB55111-32	HA-33	Soil	22-Aug-12 13:30	23-Aug-12 17:45
SB55111-33	HA-34	Soil	22-Aug-12 13:31	23-Aug-12 17:45
SB55111-34	HA-35	Soil	22-Aug-12 13:32	23-Aug-12 17:45
SB55111-35	HA-36	Soil	22-Aug-12 13:33	23-Aug-12 17:45
SB55111-36	HA-37	Soil	22-Aug-12 13:49	23-Aug-12 17:45
SB55111-37	HA-38	Soil	22-Aug-12 13:50	23-Aug-12 17:45

SB55111-38	HA-39	Soil	22-Aug-12 13:51	23-Aug-12 17:45
SB55111-39	HA-40	Soil	22-Aug-12 13:52	23-Aug-12 17:45
SB55111-40	HA-41	Soil	22-Aug-12 13:53	23-Aug-12 17:45
SB55111-41	HA-42	Soil	22-Aug-12 13:54	23-Aug-12 17:45
SB55111-42	HA-43	Soil	22-Aug-12 13:55	23-Aug-12 17:45
SB55111-43	HA-44	Soil	22-Aug-12 13:57	23-Aug-12 17:45
SB55111-44	HA-45	Soil	22-Aug-12 14:15	23-Aug-12 17:45
SB55111-45	HA-46	Soil	22-Aug-12 14:19	23-Aug-12 17:45

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 refer to our website for specific certification holdings in each state.
Please note that this report contains 61 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).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: Payne Environmental, LLC - New Haven, CT

Project Location: Riverside Apts - Ansonia, CT

Project Number: 12-110/001

Sampling Date(s):
8/22/2012

Laboratory Sample ID(s):
SB55111-01 through SB55111-45

RCP Methods Used:

SW846 1312
SW846 1312/6010C
SW846 6010C
SW846 8082A

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?	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: 9/14/2012

CASE NARRATIVE:

The samples were received 0.6 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 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 "<" (less than) 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.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 6010C

Laboratory Control Samples:

1221058 SRM/SRMD

Arsenic percent recoveries (87/83) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

HA-22
HA-23
HA-24
HA-25
HA-26
HA-27
HA-28
HA-29
HA-30
HA-31
HA-32
HA-33
HA-34
HA-35
HA-36
HA-37
HA-38
HA-39
HA-40
HA-41

SW846 6010C

Spikes:

1221058-MS1 *Source: SB55111-40*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Lead

1221058-MSD1 *Source: SB55111-40*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Lead

Duplicates:

1221058-DUP1 *Source: SB55111-40*

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

Lead

SW846 8082A

Spikes:

1220846-MSD1 *Source: SB55111-12*

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

Decachlorobiphenyl (Sr)

1220904-MSD1 *Source: SB55111-33*

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

Decachlorobiphenyl (Sr)

Duplicates:

1220846-DUP1 *Source: SB55111-12*

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.

Aroclor-1260 [2C]

Samples:

SB55111-02 *HA-3*

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)

SB55111-16 *HA-17*

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

Decachlorobiphenyl (Sr)

SB55111-26 *HA-27*

SW846 8082A

Samples:

SB55111-26 *HA-27*

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

Decachlorobiphenyl (Sr)

SB55111-28 *HA-29*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254

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

Decachlorobiphenyl (Sr)

SB55111-44 *HA-45*

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

Decachlorobiphenyl (Sr)

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-2	12-110/001	Soil	22-Aug-12 10:10	23-Aug-12
SB55111-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.2		µg/kg dry	23.2	11.6	1	SW846 8082A	29-Aug-12	29-Aug-12	IMR	1220780	X
11104-28-2	Aroclor-1221	< 23.2		µg/kg dry	23.2	20.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.2		µg/kg dry	23.2	14.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.2		µg/kg dry	23.2	13.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.2		µg/kg dry	23.2	11.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**505**		µg/kg dry	23.2	17.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**366**		µg/kg dry	23.2	8.90	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.2		µg/kg dry	23.2	21.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.2		µg/kg dry	23.2	7.29	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	< 1.69		mg/kg dry	1.69	0.563	1	SW846 6010C	31-Aug-12	05-Sep-12	EDT	1221057	X
7439-92-1	Lead	**170**		mg/kg dry	1.69	0.174	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**80.4**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220697	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-3	12-110/001	Soil	22-Aug-12 10:14	23-Aug-12
SB55111-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.7		µg/kg dry	21.7	10.8	1	SW846 8082A	29-Aug-12	29-Aug-12	IMR	1220780	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	**327**		µg/kg dry	21.7	15.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**296**		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)*	*175*	S02		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	< 1.60		mg/kg dry	1.60	0.532	1	SW846 6010C	31-Aug-12	05-Sep-12	EDT	1221057	X
7439-92-1	Lead	**124**		mg/kg dry	1.60	0.164	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**85.2**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220697	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-4	12-110/001	Soil	22-Aug-12 10:15	23-Aug-12
SB55111-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.8		µg/kg dry	21.8	10.9	1	SW846 8082A	29-Aug-12	29-Aug-12	IMR	1220780	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	**93.9**		µg/kg dry	21.8	16.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**99.3**		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)*	*125*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**1.65**		mg/kg dry	1.59	0.527	1	SW846 6010C	31-Aug-12	05-Sep-12	EDT	1221057	X
7439-92-1	Lead	**158**		mg/kg dry	1.59	0.163	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**87.1**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220697	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-5	12-110/001	Soil	22-Aug-12 10:29	23-Aug-12
SB55111-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.6		µg/kg dry	23.6	11.8	1	SW846 8082A	29-Aug-12	29-Aug-12	IMR	1220780	X
11104-28-2	Aroclor-1221	< 23.6		µg/kg dry	23.6	21.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.6		µg/kg dry	23.6	15.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.6		µg/kg dry	23.6	13.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.6		µg/kg dry	23.6	11.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.6		µg/kg dry	23.6	17.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.6		µg/kg dry	23.6	9.03	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.6		µg/kg dry	23.6	21.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.6		µg/kg dry	23.6	7.40	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)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**3.82**		mg/kg dry	1.76	0.584	1	SW846 6010C	31-Aug-12	05-Sep-12	EDT	1221057	X
7439-92-1	Lead	**103**		mg/kg dry	1.76	0.180	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**82.8**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220697	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-6	12-110/001	Soil	22-Aug-12 10:31	23-Aug-12
SB55111-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.3		µg/kg dry	22.3	11.1	1	SW846 8082A	29-Aug-12	29-Aug-12	IMR	1220780	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)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*145*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**1.98**		mg/kg dry	1.63	0.542	1	SW846 6010C	31-Aug-12	05-Sep-12	EDT	1221057	X
7439-92-1	Lead	**82.1**		mg/kg dry	1.63	0.167	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**88.5**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220697	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-7	12-110/001	Soil	22-Aug-12 10:32	23-Aug-12
SB55111-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.7		µg/kg dry	23.7	11.8	1	SW846 8082A	29-Aug-12	29-Aug-12	IMR	1220780	X
11104-28-2	Aroclor-1221	< 23.7		µg/kg dry	23.7	21.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.7		µg/kg dry	23.7	15.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.7		µg/kg dry	23.7	13.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.7		µg/kg dry	23.7	11.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.7		µg/kg dry	23.7	17.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.7		µg/kg dry	23.7	9.07	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.7		µg/kg dry	23.7	22.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.7		µg/kg dry	23.7	7.43	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**2.80**		mg/kg dry	1.79	0.596	1	SW846 6010C	31-Aug-12	05-Sep-12	EDT	1221057	X
7439-92-1	Lead	**159**		mg/kg dry	1.79	0.184	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**83.7**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220697	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-8	12-110/001	Soil	22-Aug-12 10:35	23-Aug-12
SB55111-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.4		µg/kg dry	21.4	10.7	1	SW846 8082A	29-Aug-12	29-Aug-12	IMR	1220780	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	13.7	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	8.19	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.4		µg/kg dry	21.4	19.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.4		µg/kg dry	21.4	6.71	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)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	< 1.59		mg/kg dry	1.59	0.528	1	SW846 6010C	31-Aug-12	05-Sep-12	EDT	1221057	X
7439-92-1	Lead	**77.4**		mg/kg dry	1.59	0.163	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**92.1**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220697	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-9	12-110/001	Soil	22-Aug-12 10:38	23-Aug-12
SB55111-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.4		µg/kg dry	23.4	11.7	1	SW846 8082A	29-Aug-12	29-Aug-12	IMR	1220780	X
11104-28-2	Aroclor-1221	< 23.4		µg/kg dry	23.4	21.1	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	17.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**42.2**		µg/kg dry	23.4	8.98	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	7.36	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)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**3.12**		mg/kg dry	1.68	0.560	1	SW846 6010C	31-Aug-12	05-Sep-12	EDT	1221057	X
7439-92-1	Lead	**150**		mg/kg dry	1.68	0.173	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**84.5**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220697	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-10 SB55111-09	12-110/001	Soil	22-Aug-12 10:40	23-Aug-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 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.0		µg/kg dry	22.0	11.0	1	SW846 8082A	29-Aug-12	29-Aug-12	IMR	1220780	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	16.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**25.3**		µg/kg dry	22.0	8.44	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	6.92	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)*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**3.87**		mg/kg dry	1.53	0.509	1	SW846 6010C	31-Aug-12	05-Sep-12	EDT	1221057	X
7439-92-1	Lead	**67.1**		mg/kg dry	1.53	0.157	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**89.0**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220697	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-11 SB55111-10	12-110/001	Soil	22-Aug-12 10:41	23-Aug-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 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.8		µg/kg dry	22.8	11.4	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	X
11104-28-2	Aroclor-1221	< 22.8		µg/kg dry	22.8	20.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.8		µg/kg dry	22.8	14.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.8		µg/kg dry	22.8	13.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.8		µg/kg dry	22.8	11.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.8		µg/kg dry	22.8	16.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.8		µg/kg dry	22.8	8.74	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.8		µg/kg dry	22.8	21.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.8		µg/kg dry	22.8	7.16	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)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**4.27**		mg/kg dry	1.65	0.548	1	SW846 6010C	31-Aug-12	05-Sep-12	EDT	1221057	X
7439-92-1	Lead	**69.9**		mg/kg dry	1.65	0.169	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**85.3**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220697	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-12 SB55111-11	12-110/001	Soil	22-Aug-12 10:42	23-Aug-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 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 24.1		µg/kg dry	24.1	12.0	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	X
11104-28-2	Aroclor-1221	< 24.1		µg/kg dry	24.1	21.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.1		µg/kg dry	24.1	15.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 24.1		µg/kg dry	24.1	14.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 24.1		µg/kg dry	24.1	11.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 24.1		µg/kg dry	24.1	17.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 24.1		µg/kg dry	24.1	9.22	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.1		µg/kg dry	24.1	22.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.1		µg/kg dry	24.1	7.55	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**4.31**		mg/kg dry	1.74	0.579	1	SW846 6010C	31-Aug-12	05-Sep-12	EDT	1221057	X
7439-92-1	Lead	**74.5**		mg/kg dry	1.74	0.179	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**81.1**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220697	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-13 SB55111-12	12-110/001	Soil	22-Aug-12 12:28	23-Aug-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 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.3		µg/kg dry	21.3	10.6	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	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	12.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.3		µg/kg dry	21.3	10.4	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	8.15	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.3		µg/kg dry	21.3	19.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.3		µg/kg dry	21.3	6.68	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)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**4.07**		mg/kg dry	1.54	0.512	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221057	X
7439-92-1	Lead	**129**		mg/kg dry	1.54	0.158	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**92.9**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220697	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-14	12-110/001	Soil	22-Aug-12 12:29	23-Aug-12
SB55111-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.0		µg/kg dry	20.0	9.97	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	X
11104-28-2	Aroclor-1221	< 20.0		µg/kg dry	20.0	18.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.0		µg/kg dry	20.0	12.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.0		µg/kg dry	20.0	11.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.0		µg/kg dry	20.0	9.79	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.0		µg/kg dry	20.0	14.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.0		µg/kg dry	20.0	7.65	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.0		µg/kg dry	20.0	18.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.0		µg/kg dry	20.0	6.26	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)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**2.12**		mg/kg dry	1.58	0.525	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221057	X
7439-92-1	Lead	**140**		mg/kg dry	1.58	0.162	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**94.8**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-15	12-110/001	Soil	22-Aug-12 12:31	23-Aug-12
SB55111-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.6		µg/kg dry	20.6	10.3	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	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	12.2	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	7.91	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	6.48	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)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**2.59**		mg/kg dry	1.55	0.514	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221057	X
7439-92-1	Lead	**117**		mg/kg dry	1.55	0.159	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**91.7**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-16 SB55111-15	12-110/001	Soil	22-Aug-12 12:32	23-Aug-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 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.9		µg/kg dry	22.9	11.4	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	X
11104-28-2	Aroclor-1221	< 22.9		µg/kg dry	22.9	20.6	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	8.78	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.9		µg/kg dry	22.9	21.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.9		µg/kg dry	22.9	7.19	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)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**4.76**		mg/kg dry	1.73	0.577	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221057	X
7439-92-1	Lead	**46.7**		mg/kg dry	1.73	0.178	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**83.2**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-17 SB55111-16	12-110/001	Soil	22-Aug-12 12:34	23-Aug-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 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.4		µg/kg dry	23.4	11.7	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	X
11104-28-2	Aroclor-1221	< 23.4		µg/kg dry	23.4	21.1	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	17.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.4		µg/kg dry	23.4	8.97	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	7.35	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*165*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**3.14**		mg/kg dry	1.60	0.532	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221057	X
7439-92-1	Lead	**60.1**		mg/kg dry	1.60	0.164	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**83.0**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-18 SB55111-17	12-110/001	Soil	22-Aug-12 12:35	23-Aug-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 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.3		µg/kg dry	22.3	11.1	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	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	16.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**27.9**		µg/kg dry	22.3	8.55	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.3		µg/kg dry	22.3	20.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.3		µg/kg dry	22.3	7.01	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)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**1.80**		mg/kg dry	1.64	0.546	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221057	X
7439-92-1	Lead	**85.8**		mg/kg dry	1.64	0.169	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**89.5**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-19 SB55111-18	12-110/001	Soil	22-Aug-12 12:37	23-Aug-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 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.8		µg/kg dry	23.8	11.9	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	X
11104-28-2	Aroclor-1221	< 23.8		µg/kg dry	23.8	21.5	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	< 23.8		µg/kg dry	23.8	11.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.8		µg/kg dry	23.8	17.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.8		µg/kg dry	23.8	10.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.8		µg/kg dry	23.8	22.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.8		µg/kg dry	23.8	7.48	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*145*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**3.37**		mg/kg dry	1.74	0.579	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221057	X
7439-92-1	Lead	**71.7**		mg/kg dry	1.74	0.179	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**82.2**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-20	12-110/001	Soil	22-Aug-12 12:39	23-Aug-12
SB55111-19				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.4		µg/kg dry	22.4	11.2	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	X
11104-28-2	Aroclor-1221	< 22.4		µg/kg dry	22.4	20.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.4		µg/kg dry	22.4	14.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.4		µg/kg dry	22.4	13.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.4		µg/kg dry	22.4	11.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.4		µg/kg dry	22.4	16.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**44.9**		µg/kg dry	22.4	8.60	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.4		µg/kg dry	22.4	20.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.4		µg/kg dry	22.4	7.05	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)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**5.41**		mg/kg dry	1.68	0.560	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221057	X
7439-92-1	Lead	**83.7**		mg/kg dry	1.68	0.173	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**86.2**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-21	12-110/001	Soil	22-Aug-12 13:00	23-Aug-12
SB55111-20				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.4		µg/kg dry	22.4	11.2	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	X
11104-28-2	Aroclor-1221	< 22.4		µg/kg dry	22.4	20.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.4		µg/kg dry	22.4	14.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.4		µg/kg dry	22.4	13.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.4		µg/kg dry	22.4	11.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.4		µg/kg dry	22.4	16.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.4		µg/kg dry	22.4	8.59	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.4		µg/kg dry	22.4	20.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.4		µg/kg dry	22.4	7.04	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**3.18**		mg/kg dry	1.59	0.528	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221057	X
7439-92-1	Lead	**19.8**		mg/kg dry	1.59	0.163	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**87.5**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-22	12-110/001	Soil	22-Aug-12 13:04	23-Aug-12
SB55111-21				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 25.5		µg/kg dry	25.5	12.7	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	X
11104-28-2	Aroclor-1221	< 25.5		µg/kg dry	25.5	22.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.5		µg/kg dry	25.5	16.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 25.5		µg/kg dry	25.5	15.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 25.5		µg/kg dry	25.5	12.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 25.5		µg/kg dry	25.5	18.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 25.5		µg/kg dry	25.5	9.76	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.5		µg/kg dry	25.5	23.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.5		µg/kg dry	25.5	8.00	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**6.05**		mg/kg dry	1.95	0.647	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**83.7**		mg/kg dry	1.95	0.200	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**76.9**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-23 SB55111-22	12-110/001	Soil	22-Aug-12 13:05	23-Aug-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 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 25.2		µg/kg dry	25.2	12.6	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	X
11104-28-2	Aroclor-1221	< 25.2		µg/kg dry	25.2	22.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.2		µg/kg dry	25.2	16.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 25.2		µg/kg dry	25.2	14.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 25.2		µg/kg dry	25.2	12.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 25.2		µg/kg dry	25.2	18.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**34.1**		µg/kg dry	25.2	9.68	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.2		µg/kg dry	25.2	23.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.2		µg/kg dry	25.2	7.92	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**3.45**		mg/kg dry	1.89	0.629	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**144**		mg/kg dry	1.89	0.194	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**78.0**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-24	12-110/001	Soil	22-Aug-12 13:06	23-Aug-12
SB55111-23				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.7		µg/kg dry	22.7	11.3	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	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	< 22.7		µg/kg dry	22.7	11.1	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	8.70	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	7.13	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**8.03**		mg/kg dry	1.68	0.560	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**102**		mg/kg dry	1.68	0.173	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**86.7**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-25	12-110/001	Soil	22-Aug-12 13:08	23-Aug-12
SB55111-24				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.3		µg/kg dry	21.3	10.6	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	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	12.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.3		µg/kg dry	21.3	10.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.3		µg/kg dry	21.3	15.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**50.0**		µg/kg dry	21.3	9.50	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.3		µg/kg dry	21.3	19.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.3		µg/kg dry	21.3	6.68	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**19.1**		mg/kg dry	1.66	0.553	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**1,410**		mg/kg dry	1.66	0.171	1	"	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods													
	SPLP Extraction	**Completed**		N/A			1	SW846 1312	10-Sep-12	12-Sep-12	BD	1221764	X
7440-38-2	Arsenic	< 0.0080		mg/l	0.0080	0.0062	1	SW846 1312/6010C	11-Sep-12	13-Sep-12	EDT	1221857	
7439-92-1	Lead	< 0.0150		mg/l	0.0150	0.0039	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**89.2**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-26	12-110/001	Soil	22-Aug-12 13:10	23-Aug-12
SB55111-25				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.1		µg/kg dry	20.1	10.0	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	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	**32.2**		µg/kg dry	20.1	7.71	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	6.32	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)*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	< 1.52		mg/kg dry	1.52	0.505	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**69.5**		mg/kg dry	1.52	0.156	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**94.4**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-27	12-110/001	Soil	22-Aug-12 13:11	23-Aug-12
SB55111-26				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.0		µg/kg dry	21.0	10.5	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	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	13.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.0		µg/kg dry	21.0	12.3	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	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]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*180*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**1.80**		mg/kg dry	1.45	0.482	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**45.1**		mg/kg dry	1.45	0.149	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**93.8**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-28	12-110/001	Soil	22-Aug-12 13:12	23-Aug-12
SB55111-27				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.5		µg/kg dry	21.5	10.7	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	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	12.6	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)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**2.89**		mg/kg dry	1.58	0.526	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**33.7**		mg/kg dry	1.58	0.162	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**88.7**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-29	12-110/001	Soil	22-Aug-12 13:25	23-Aug-12
SB55111-28				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 45.1	R01	µg/kg dry	45.1	22.5	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	X
11104-28-2	Aroclor-1221	< 45.1	R01	µg/kg dry	45.1	40.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 45.1	R01	µg/kg dry	45.1	28.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 45.1	R01	µg/kg dry	45.1	26.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 45.1	R01	µg/kg dry	45.1	22.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 45.1	R01	µg/kg dry	45.1	33.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**38.3**		µg/kg dry	22.5	8.64	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	7.08	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*140*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*175*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**6.07**		mg/kg dry	1.70	0.566	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**104**		mg/kg dry	1.70	0.175	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**84.5**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-30 SB55111-29	12-110/001	Soil	22-Aug-12 13:26	23-Aug-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 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.5		µg/kg dry	22.5	11.3	1	SW846 8082A	29-Aug-12	30-Aug-12	IMR	1220846	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	14.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.5		µg/kg dry	22.5	13.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.5		µg/kg dry	22.5	11.1	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	8.64	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	7.07	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**4.70**		mg/kg dry	1.68	0.560	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**78.0**		mg/kg dry	1.68	0.173	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**85.5**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-31	12-110/001	Soil	22-Aug-12 13:28	23-Aug-12
SB55111-30				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.4		µg/kg dry	23.4	11.7	1	SW846 8082A	30-Aug-12	30-Aug-12	IMR	1220904	X
11104-28-2	Aroclor-1221	< 23.4		µg/kg dry	23.4	21.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.4		µg/kg dry	23.4	15.1	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	17.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.4		µg/kg dry	23.4	8.99	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	7.36	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)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**7.10**		mg/kg dry	1.78	0.592	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**42.8**		mg/kg dry	1.78	0.183	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**83.2**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-32	12-110/001	Soil	22-Aug-12 13:29	23-Aug-12
SB55111-31				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 24.6		µg/kg dry	24.6	12.3	1	SW846 8082A	30-Aug-12	30-Aug-12	IMR	1220904	X
11104-28-2	Aroclor-1221	< 24.6		µg/kg dry	24.6	22.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.6		µg/kg dry	24.6	15.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 24.6		µg/kg dry	24.6	14.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 24.6		µg/kg dry	24.6	12.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 24.6		µg/kg dry	24.6	18.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 24.6		µg/kg dry	24.6	9.42	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.6		µg/kg dry	24.6	22.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.6		µg/kg dry	24.6	7.71	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**6.81**		mg/kg dry	1.83	0.608	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**61.1**		mg/kg dry	1.83	0.188	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**80.4**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-33 SB55111-32	12-110/001	Soil	22-Aug-12 13:30	23-Aug-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 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.3		µg/kg dry	22.3	11.1	1	SW846 8082A	30-Aug-12	31-Aug-12	IMR	1220904	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	**31.2**		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]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**2.16**		mg/kg dry	1.48	0.493	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**135**		mg/kg dry	1.48	0.152	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**86.8**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220698	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-34	12-110/001	Soil	22-Aug-12 13:31	23-Aug-12
SB55111-33				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.3		µg/kg dry	20.3	10.1	1	SW846 8082A	30-Aug-12	31-Aug-12	IMR	1220904	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	13.0	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	9.96	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.3		µg/kg dry	20.3	14.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**25.4**		µg/kg dry	20.3	9.07	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]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*145*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**2.27**		mg/kg dry	1.49	0.495	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**137**		mg/kg dry	1.49	0.153	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**92.5**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220699	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-35	12-110/001	Soil	22-Aug-12 13:32	23-Aug-12
SB55111-34				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.8		µg/kg dry	22.8	11.4	1	SW846 8082A	30-Aug-12	31-Aug-12	IMR	1220904	X
11104-28-2	Aroclor-1221	< 22.8		µg/kg dry	22.8	20.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.8		µg/kg dry	22.8	14.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.8		µg/kg dry	22.8	13.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.8		µg/kg dry	22.8	11.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.8		µg/kg dry	22.8	16.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.8		µg/kg dry	22.8	8.73	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.8		µg/kg dry	22.8	21.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.8		µg/kg dry	22.8	7.15	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)*	*145*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**6.42**		mg/kg dry	1.58	0.527	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**76.2**		mg/kg dry	1.58	0.163	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**87.5**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220699	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-36	12-110/001	Soil	22-Aug-12 13:33	23-Aug-12
SB55111-35				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.0		µg/kg dry	21.0	10.5	1	SW846 8082A	30-Aug-12	31-Aug-12	IMR	1220904	X
11104-28-2	Aroclor-1221	< 21.0		µg/kg dry	21.0	19.0	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	**36.8**		µg/kg dry	21.0	8.07	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	6.61	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)*	*145*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**3.13**		mg/kg dry	1.48	0.493	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**62.0**		mg/kg dry	1.48	0.152	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**88.4**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220699	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-37 SB55111-36	12-110/001	Soil	22-Aug-12 13:49	23-Aug-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 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.6		µg/kg dry	23.6	11.8	1	SW846 8082A	30-Aug-12	31-Aug-12	IMR	1220904	X
11104-28-2	Aroclor-1221	< 23.6		µg/kg dry	23.6	21.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.6		µg/kg dry	23.6	15.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.6		µg/kg dry	23.6	13.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.6		µg/kg dry	23.6	11.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.6		µg/kg dry	23.6	17.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.6		µg/kg dry	23.6	9.05	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.6		µg/kg dry	23.6	22.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.6		µg/kg dry	23.6	7.41	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**2.78**		mg/kg dry	1.81	0.602	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**97.0**		mg/kg dry	1.81	0.186	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**81.6**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220699	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-38 SB55111-37	12-110/001	Soil	22-Aug-12 13:50	23-Aug-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 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.4		µg/kg dry	23.4	11.7	1	SW846 8082A	30-Aug-12	31-Aug-12	IMR	1220904	X
11104-28-2	Aroclor-1221	< 23.4		µg/kg dry	23.4	21.1	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	17.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.4		µg/kg dry	23.4	8.98	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	7.36	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**4.82**		mg/kg dry	1.61	0.535	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**104**		mg/kg dry	1.61	0.165	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**83.3**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220699	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-39	12-110/001	Soil	22-Aug-12 13:51	23-Aug-12
SB55111-38				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.1		µg/kg dry	22.1	11.1	1	SW846 8082A	30-Aug-12	31-Aug-12	IMR	1220904	X
11104-28-2	Aroclor-1221	< 22.1		µg/kg dry	22.1	19.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.1		µg/kg dry	22.1	14.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.1		µg/kg dry	22.1	13.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.1		µg/kg dry	22.1	10.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.1		µg/kg dry	22.1	16.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**32.1**		µg/kg dry	22.1	8.49	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.1		µg/kg dry	22.1	20.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.1		µg/kg dry	22.1	6.95	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**2.70**		mg/kg dry	1.70	0.566	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**85.7**		mg/kg dry	1.70	0.175	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**85.5**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220699	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-40	12-110/001	Soil	22-Aug-12 13:52	23-Aug-12
SB55111-39				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 25.6		µg/kg dry	25.6	12.8	1	SW846 8082A	30-Aug-12	31-Aug-12	IMR	1220904	X
11104-28-2	Aroclor-1221	< 25.6		µg/kg dry	25.6	23.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.6		µg/kg dry	25.6	16.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 25.6		µg/kg dry	25.6	15.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 25.6		µg/kg dry	25.6	12.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 25.6		µg/kg dry	25.6	18.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 25.6		µg/kg dry	25.6	9.80	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.6		µg/kg dry	25.6	23.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.6		µg/kg dry	25.6	8.03	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**4.12**		mg/kg dry	1.85	0.616	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**104**		mg/kg dry	1.85	0.190	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**75.2**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220699	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-41	12-110/001	Soil	22-Aug-12 13:53	23-Aug-12
SB55111-40				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.9		µg/kg dry	23.9	11.9	1	SW846 8082A	30-Aug-12	31-Aug-12	IMR	1220904	X
11104-28-2	Aroclor-1221	< 23.9		µg/kg dry	23.9	21.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.9		µg/kg dry	23.9	15.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.9		µg/kg dry	23.9	14.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.9		µg/kg dry	23.9	11.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.9		µg/kg dry	23.9	17.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.9		µg/kg dry	23.9	9.16	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.9		µg/kg dry	23.9	22.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.9		µg/kg dry	23.9	7.50	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**3.65**		mg/kg dry	1.65	0.549	1	SW846 6010C	31-Aug-12	06-Sep-12	EDT	1221058	X
7439-92-1	Lead	**153**		mg/kg dry	1.65	0.169	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**81.6**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220699	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-42	12-110/001	Soil	22-Aug-12 13:54	23-Aug-12
SB55111-41				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.0		µg/kg dry	23.0	11.5	1	SW846 8082A	30-Aug-12	31-Aug-12	IMR	1220904	X
11104-28-2	Aroclor-1221	< 23.0		µg/kg dry	23.0	20.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.0		µg/kg dry	23.0	14.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.0		µg/kg dry	23.0	13.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.0		µg/kg dry	23.0	11.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.0		µg/kg dry	23.0	16.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.0		µg/kg dry	23.0	8.82	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.0		µg/kg dry	23.0	21.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.0		µg/kg dry	23.0	7.23	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**3.14**		mg/kg dry	1.79	0.596	1	SW846 6010C	31-Aug-12	05-Sep-12	EDT	1221060	X
7439-92-1	Lead	**80.3**		mg/kg dry	1.79	0.184	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**83.5**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220699	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-43 SB55111-42	12-110/001	Soil	22-Aug-12 13:55	23-Aug-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 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.5		µg/kg dry	23.5	11.7	1	SW846 8082A	30-Aug-12	31-Aug-12	IMR	1220904	X
11104-28-2	Aroclor-1221	< 23.5		µg/kg dry	23.5	21.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.5		µg/kg dry	23.5	15.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.5		µg/kg dry	23.5	13.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.5		µg/kg dry	23.5	11.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.5		µg/kg dry	23.5	17.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.5		µg/kg dry	23.5	9.00	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.5		µg/kg dry	23.5	21.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.5		µg/kg dry	23.5	7.37	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**3.08**		mg/kg dry	1.76	0.586	1	SW846 6010C	31-Aug-12	05-Sep-12	EDT	1221060	X
7439-92-1	Lead	**78.1**		mg/kg dry	1.76	0.181	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**85.0**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220699	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-44	12-110/001	Soil	22-Aug-12 13:57	23-Aug-12
SB55111-43				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.4		µg/kg dry	20.4	10.2	1	SW846 8082A	30-Aug-12	31-Aug-12	IMR	1220904	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	14.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**26.5**		µg/kg dry	20.4	7.81	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	6.40	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**2.25**		mg/kg dry	1.59	0.530	1	SW846 6010C	31-Aug-12	05-Sep-12	EDT	1221060	X
7439-92-1	Lead	**117**		mg/kg dry	1.59	0.164	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**93.7**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220699	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-45	12-110/001	Soil	22-Aug-12 14:15	23-Aug-12
SB55111-44				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 24.7		µg/kg dry	24.7	12.4	1	SW846 8082A	30-Aug-12	31-Aug-12	IMR	1220904	X
11104-28-2	Aroclor-1221	< 24.7		µg/kg dry	24.7	22.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.7		µg/kg dry	24.7	15.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 24.7		µg/kg dry	24.7	14.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 24.7		µg/kg dry	24.7	12.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 24.7		µg/kg dry	24.7	18.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 24.7		µg/kg dry	24.7	9.49	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.7		µg/kg dry	24.7	23.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.7		µg/kg dry	24.7	7.77	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*195*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**2.56**		mg/kg dry	1.70	0.565	1	SW846 6010C	31-Aug-12	05-Sep-12	EDT	1221060	X
7439-92-1	Lead	**127**		mg/kg dry	1.70	0.174	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**79.9**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220699	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-46 SB55111-45	12-110/001	Soil	22-Aug-12 14:19	23-Aug-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 Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 19.5		µg/kg dry	19.5	9.76	1	SW846 8082A	30-Aug-12	31-Aug-12	IMR	1220904	X
11104-28-2	Aroclor-1221	< 19.5		µg/kg dry	19.5	17.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.5		µg/kg dry	19.5	12.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19.5		µg/kg dry	19.5	11.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 19.5		µg/kg dry	19.5	9.58	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 19.5		µg/kg dry	19.5	14.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 19.5		µg/kg dry	19.5	7.49	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.5		µg/kg dry	19.5	18.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19.5		µg/kg dry	19.5	6.13	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	< 1.50		mg/kg dry	1.50	0.500	1	SW846 6010C	31-Aug-12	05-Sep-12	EDT	1221060	X
7439-92-1	Lead	**10.4**		mg/kg dry	1.50	0.154	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**95.1**		%			1	SM2540 G Mod.	28-Aug-12	28-Aug-12	DT	1220699	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220780 - SW846 3545A										
Blank (1220780-BLK1)					Prepared & Analyzed: 29-Aug-12					
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]	*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]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
LCS (1220780-BS1)					Prepared & Analyzed: 29-Aug-12					
Aroclor-1016	**241**		µg/kg wet	20.0	250		96	40-140		
Aroclor-1016 [2C]	**239**		µg/kg wet	20.0	250		96	40-140		
Aroclor-1260	**228**		µg/kg wet	20.0	250		91	40-140		
Aroclor-1260 [2C]	**203**		µg/kg wet	20.0	250		81	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS Dup (1220780-BSD1)					Prepared & Analyzed: 29-Aug-12					
Aroclor-1016	**242**		µg/kg wet	20.0	250		97	40-140	0.4	30
Aroclor-1016 [2C]	**243**		µg/kg wet	20.0	250		97	40-140	2	30
Aroclor-1260	**235**		µg/kg wet	20.0	250		94	40-140	3	30
Aroclor-1260 [2C]	**206**		µg/kg wet	20.0	250		82	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Batch 1220846 - SW846 3545A										
Blank (1220846-BLK1)					Prepared: 29-Aug-12 Analyzed: 30-Aug-12					
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						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220846 - SW846 3545A										
Blank (1220846-BLK1)					Prepared: 29-Aug-12 Analyzed: 30-Aug-12					
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)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS (1220846-BS1)					Prepared: 29-Aug-12 Analyzed: 30-Aug-12					
Aroclor-1016	**242**		µg/kg wet	20.0	250		97	40-140		
Aroclor-1016 [2C]	**243**		µg/kg wet	20.0	250		97	40-140		
Aroclor-1260	**237**		µg/kg wet	20.0	250		95	40-140		
Aroclor-1260 [2C]	**202**		µg/kg wet	20.0	250		81	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS Dup (1220846-BSD1)					Prepared: 29-Aug-12 Analyzed: 30-Aug-12					
Aroclor-1016	**243**		µg/kg wet	20.0	250		97	40-140	0.4	30
Aroclor-1016 [2C]	**241**		µg/kg wet	20.0	250		96	40-140	0.8	30
Aroclor-1260	**235**		µg/kg wet	20.0	250		94	40-140	0.8	30
Aroclor-1260 [2C]	**200**		µg/kg wet	20.0	250		80	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Duplicate (1220846-DUP1)			**Source: SB55111-12**		Prepared: 29-Aug-12 Analyzed: 30-Aug-12					
Aroclor-1016	< 21.4		µg/kg dry	21.4		BRL				30
Aroclor-1016 [2C]	< 21.4		µg/kg dry	21.4		BRL				30
Aroclor-1221	< 21.4		µg/kg dry	21.4		BRL				30
Aroclor-1221 [2C]	< 21.4		µg/kg dry	21.4		BRL				30
Aroclor-1232	< 21.4		µg/kg dry	21.4		BRL				30
Aroclor-1232 [2C]	< 21.4		µg/kg dry	21.4		BRL				30
Aroclor-1242	< 21.4		µg/kg dry	21.4		BRL				30
Aroclor-1242 [2C]	< 21.4		µg/kg dry	21.4		BRL				30
Aroclor-1248	< 21.4		µg/kg dry	21.4		BRL				30
Aroclor-1248 [2C]	< 21.4		µg/kg dry	21.4		BRL				30
Aroclor-1254	< 21.4		µg/kg dry	21.4		BRL				30
Aroclor-1254 [2C]	< 21.4		µg/kg dry	21.4		BRL				30
Aroclor-1260	**20.3**	J	µg/kg dry	21.4		20.2			0.5	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220846 - SW846 3545A										
Duplicate (1220846-DUP1)			**Source: SB55111-12**		Prepared: 29-Aug-12 Analyzed: 30-Aug-12					
Aroclor-1260 [2C]	**20.3**	J,QR8	µg/kg dry	21.4		14.9			31	30
Aroclor-1262	< 21.4		µg/kg dry	21.4		BRL				30
Aroclor-1262 [2C]	< 21.4		µg/kg dry	21.4		BRL				30
Aroclor-1268	< 21.4		µg/kg dry	21.4		BRL				30
Aroclor-1268 [2C]	< 21.4		µg/kg dry	21.4		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg dry		*21.4*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.2*		µg/kg dry		*21.4*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*27.8*		µg/kg dry		*21.4*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.4*		µg/kg dry		*21.4*		*105*	*30-150*		
Matrix Spike (1220846-MS1)			**Source: SB55111-12**		Prepared: 29-Aug-12 Analyzed: 30-Aug-12					
Aroclor-1016	**307**		µg/kg dry	21.4	267	BRL	115	40-140		
Aroclor-1016 [2C]	**308**		µg/kg dry	21.4	267	BRL	115	40-140		
Aroclor-1260	**310**		µg/kg dry	21.4	267	20.2	108	40-140		
Aroclor-1260 [2C]	**276**		µg/kg dry	21.4	267	14.9	98	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.4*		µg/kg dry		*21.4*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.4*		µg/kg dry		*21.4*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*31.0*		µg/kg dry		*21.4*		*145*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.5*		µg/kg dry		*21.4*		*110*	*30-150*		
Matrix Spike Dup (1220846-MSD1)			**Source: SB55111-12**		Prepared: 29-Aug-12 Analyzed: 30-Aug-12					
Aroclor-1016	**311**		µg/kg dry	21.0	263	BRL	118	40-140	3	30
Aroclor-1016 [2C]	**303**		µg/kg dry	21.0	263	BRL	115	40-140	0	30
Aroclor-1260	**328**		µg/kg dry	21.0	263	20.2	117	40-140	8	30
Aroclor-1260 [2C]	**295**		µg/kg dry	21.0	263	14.9	107	40-140	9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg dry		*21.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg dry		*21.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*33.6*	S02	µg/kg dry		*21.0*		*160*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.2*		µg/kg dry		*21.0*		*120*	*30-150*		
Batch 1220904 - SW846 3545A										
Blank (1220904-BLK1)					Prepared & Analyzed: 30-Aug-12					
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)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220904 - SW846 3545A										
Blank (1220904-BLK1)					Prepared & Analyzed: 30-Aug-12					
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
LCS (1220904-BS1)					Prepared & Analyzed: 30-Aug-12					
Aroclor-1016	**239**		µg/kg wet	20.0	250		96	40-140		
Aroclor-1016 [2C]	**237**		µg/kg wet	20.0	250		95	40-140		
Aroclor-1260	**223**		µg/kg wet	20.0	250		89	40-140		
Aroclor-1260 [2C]	**211**		µg/kg wet	20.0	250		84	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
LCS Dup (1220904-BSD1)					Prepared & Analyzed: 30-Aug-12					
Aroclor-1016	**240**		µg/kg wet	20.0	250		96	40-140	0.4	30
Aroclor-1016 [2C]	**237**		µg/kg wet	20.0	250		95	40-140	0	30
Aroclor-1260	**233**		µg/kg wet	20.0	250		93	40-140	4	30
Aroclor-1260 [2C]	**212**		µg/kg wet	20.0	250		85	40-140	0.5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Duplicate (1220904-DUP1)			**Source: SB55111-33**		Prepared & Analyzed: 30-Aug-12					
Aroclor-1016	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1016 [2C]	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1221	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1221 [2C]	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1232	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1232 [2C]	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1242	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1242 [2C]	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1248	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1248 [2C]	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1254	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1254 [2C]	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1260	**22.0**		µg/kg dry	20.0		23.4			6	30
Aroclor-1260 [2C]	**23.0**		µg/kg dry	20.0		25.4			10	30
Aroclor-1262	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1262 [2C]	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1268	< 20.0		µg/kg dry	20.0		BRL				30
Aroclor-1268 [2C]	< 20.0		µg/kg dry	20.0		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg dry		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.0*		µg/kg dry		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.9*		µg/kg dry		*20.0*		*145*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.0*		µg/kg dry		*20.0*		*90*	*30-150*		
Matrix Spike (1220904-MS1)			**Source: SB55111-33**		Prepared & Analyzed: 30-Aug-12					
Aroclor-1016	**221**		µg/kg dry	21.2	265	BRL	83	40-140		
Aroclor-1016 [2C]	**208**		µg/kg dry	21.2	265	BRL	78	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220904 - SW846 3545A										
Matrix Spike (1220904-MS1)			**Source: SB55111-33**		Prepared & Analyzed: 30-Aug-12					
Aroclor-1260	**215**		µg/kg dry	21.2	265	23.4	72	40-140		
Aroclor-1260 [2C]	**192**		µg/kg dry	21.2	265	25.4	63	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.8*		µg/kg dry		*21.2*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*12.7*		µg/kg dry		*21.2*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*30.8*		µg/kg dry		*21.2*		*145*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.2*		µg/kg dry		*21.2*		*100*	*30-150*		
Matrix Spike Dup (1220904-MSD1)			**Source: SB55111-33**		Prepared & Analyzed: 30-Aug-12					
Aroclor-1016	**217**		µg/kg dry	20.9	262	BRL	83	40-140	0.5	30
Aroclor-1016 [2C]	**226**		µg/kg dry	20.9	262	BRL	86	40-140	10	30
Aroclor-1260	**243**		µg/kg dry	20.9	262	23.4	84	40-140	15	30
Aroclor-1260 [2C]	**213**		µg/kg dry	20.9	262	25.4	72	40-140	13	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.8*		µg/kg dry		*20.9*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*14.7*		µg/kg dry		*20.9*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*32.5*	S02	µg/kg dry		*20.9*		*155*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.9*		µg/kg dry		*20.9*		*95*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1221057 - SW846 3050B										
Blank (1221057-BLK1)						Prepared: 31-Aug-12 Analyzed: 05-Sep-12				
Lead	< 1.38		mg/kg wet	1.38						
Arsenic	< 1.38		mg/kg wet	1.38						
Duplicate (1221057-DUP1)			**Source: SB55111-01**			Prepared: 31-Aug-12 Analyzed: 05-Sep-12				
Lead	**176**		mg/kg dry	1.79		170			4	20
Arsenic	**1.40**	J	mg/kg dry	1.79		1.24			12	20
Matrix Spike (1221057-MS1)			**Source: SB55111-01**			Prepared: 31-Aug-12 Analyzed: 05-Sep-12				
Lead	**306**		mg/kg dry	1.85	154	170	89	75-125		
Arsenic	**135**		mg/kg dry	1.85	154	1.24	87	75-125		
Matrix Spike Dup (1221057-MSD1)			**Source: SB55111-01**			Prepared: 31-Aug-12 Analyzed: 05-Sep-12				
Lead	**297**		mg/kg dry	1.85	155	170	83	75-125	3	20
Arsenic	**130**		mg/kg dry	1.85	155	1.24	83	75-125	4	20
Post Spike (1221057-PS1)			**Source: SB55111-01**			Prepared: 31-Aug-12 Analyzed: 05-Sep-12				
Arsenic	**118**		mg/kg dry	1.69	141	1.24	82	80-120		
Reference (1221057-SRM1)						Prepared: 31-Aug-12 Analyzed: 05-Sep-12				
Lead	**35.8**		mg/kg wet	1.50	38.5		93	81.3-118.7		
Arsenic	**76.7**		mg/kg wet	1.50	84.2		91	83.3-117.2		
Reference (1221057-SRM2)						Prepared: 31-Aug-12 Analyzed: 05-Sep-12				
Lead	**36.0**		mg/kg wet	1.50	38.6		93	81.3-118.7		
Arsenic	**76.4**		mg/kg wet	1.50	84.2		91	83.3-117.2		
Batch 1221058 - SW846 3050B										
Blank (1221058-BLK1)						Prepared: 31-Aug-12 Analyzed: 06-Sep-12				
Lead	< 1.34		mg/kg wet	1.34						
Arsenic	< 1.34		mg/kg wet	1.34						
Duplicate (1221058-DUP1)			**Source: SB55111-40**			Prepared: 31-Aug-12 Analyzed: 06-Sep-12				
Lead	**75.4**	QR6	mg/kg dry	1.75		153			68	20
Arsenic	**3.44**		mg/kg dry	1.75		3.65			6	20
Matrix Spike (1221058-MS1)			**Source: SB55111-40**			Prepared: 31-Aug-12 Analyzed: 06-Sep-12				
Lead	**211**	QM7	mg/kg dry	1.78	149	153	39	75-125		
Arsenic	**123**		mg/kg dry	1.78	149	3.65	80	75-125		
Matrix Spike Dup (1221058-MSD1)			**Source: SB55111-40**			Prepared: 31-Aug-12 Analyzed: 06-Sep-12				
Lead	**193**	QM7	mg/kg dry	1.63	136	153	30	75-125	9	20
Arsenic	**111**		mg/kg dry	1.63	136	3.65	79	75-125	10	20
Post Spike (1221058-PS1)			**Source: SB55111-40**			Prepared: 31-Aug-12 Analyzed: 06-Sep-12				
Arsenic	**115**		mg/kg dry	1.65	138	3.65	81	80-120		
Reference (1221058-SRM1)						Prepared: 31-Aug-12 Analyzed: 06-Sep-12				
Lead	**34.2**		mg/kg wet	1.50	38.5		89	81.3-118.7		
Arsenic	**73.1**		mg/kg wet	1.50	84.2		87	83.3-117.2		
Reference (1221058-SRM2)						Prepared: 31-Aug-12 Analyzed: 06-Sep-12				
Lead	**33.2**		mg/kg wet	1.50	38.5		86	81.3-118.7		
Arsenic	**69.8**	QM9	mg/kg wet	1.50	84.2		83	83.3-117.2		
Batch 1221060 - SW846 3050B										
Blank (1221060-BLK1)						Prepared: 31-Aug-12 Analyzed: 05-Sep-12				
Lead	< 1.38		mg/kg wet	1.38						
Arsenic	< 1.38		mg/kg wet	1.38						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1221060 - SW846 3050B										
Reference (1221060-SRM1)					Prepared: 31-Aug-12 Analyzed: 05-Sep-12					
Lead	**37.9**		mg/kg wet	1.50	38.9		97	81.3-118.7		
Arsenic	**82.7**		mg/kg wet	1.50	85.1		97	83.3-117.2		
Reference (1221060-SRM2)					Prepared: 31-Aug-12 Analyzed: 05-Sep-12					
Lead	**37.3**		mg/kg wet	1.50	38.5		97	81.3-118.7		
Arsenic	**79.9**		mg/kg wet	1.50	84.2		95	83.3-117.2		

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1221857 - SW846 3010A										
Blank (1221857-BLK1)					Prepared: 11-Sep-12 Analyzed: 12-Sep-12					
Lead	< 0.0150		mg/l	0.0150						
Arsenic	< 0.0080		mg/l	0.0080						
LCS (1221857-BS1)					Prepared: 11-Sep-12 Analyzed: 12-Sep-12					
Lead	**2.58**		mg/l	0.0150	2.50		103	85-115		
Arsenic	**2.61**		mg/l	0.0080	2.50		104	85-115		
LCS Dup (1221857-BSD1)					Prepared: 11-Sep-12 Analyzed: 12-Sep-12					
Lead	**2.59**		mg/l	0.0150	2.50		103	85-115	0.3	20
Arsenic	**2.62**		mg/l	0.0080	2.50		105	85-115	0.3	20

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220698 - General Preparation										
Duplicate (1220698-DUP1)			**Source: SB55111-13**			Prepared & Analyzed: 28-Aug-12				
% Solids	**94.5**		%			94.8			0.3	20
Batch 1220699 - General Preparation										
Duplicate (1220699-DUP1)			**Source: SB55111-33**			Prepared & Analyzed: 28-Aug-12				
% Solids	**93.4**		%			92.5			1	20

Notes and Definitions

QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
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.
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
Rebecca Merz

SB 55111

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 5

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: PAYNE ENVIRONMENTAL LLC
85 WILLOW ST
NEW HAVEN, CT 06511

Telephone #: 203.865.1285
Project Mgr. NEIL PAYNE

Invoice To: GAIL SIMON
SAME

P.O. No.: _____ RQN: 7511

Project No.: 12-110/001
Site Name: RIVERSIDE APTS
Location: ANSONIA State: CT
Sampler(s): MP, GP

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=H_3PO_4 11= COOL 12= _____

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	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	List preservative code below: 11	Analyses: PCBs (8082)	Total Pb, AS	QA/QC Reporting Notes: * additional charges may apply
S5111-01	HA-2	8/22/12	1010	G	SO		1			11	/	/	MA DEP MCP CAM Report: Yes ☐ No ☐
-02	HA-3		1014	G	SO		1				/	/	CT DPH RCP Report: Yes ☑ No ☐
-03	HA-4		1015	G	SO		1				/	/	**QA/QC Reporting Level**
-04	HA-5		1029	G	SO		1				/	/	☑ Standard ☐ No QC ☐ DQA*
-05	HA-6		1031	G	SO		1				/	/	☐ NY ASP A* ☐ NY ASP B*
-06	HA-7		1032	G	SO		1				/	/	☐ NJ Reduced* ☐ NJ Full*
-07	HA-8		1035	G	SO		1				/	/	☐ TIER II* ☐ TIER IV*
-08	HA-9		1038	G	SO		1				/	/	☐ Other _____
-09	HA-10		1040	G	SO		1				/	/	State-specific reporting standards:
-10	HA-11		1041	G	SO		1				/	/	

Relinquished by:	Received by:	Date:	Time:	Temp°C
Mail	Jet	8/23/12	3:30p	
Jet	RL	8/23/12	5:45	0.6

☐ EDD Format _____
☑ E-mail to npayne@paynewp.com

Condition upon receipt:
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SS111

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 5

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: PAYNE ENVIRONMENTAL LLC
85 WILLOW ST
NEW HAVEN, CT 06511

Telephone #: 203-865-1285
Project Mgr. NEIL PAYNE

Invoice To: GAIL SIMON
SAME

P.O. No.: _____ RQN: 7511

Project No.: 12110/001
Site Name: RIVERSIDE APTS
Location: ANSONIA State: CT
Sampler(s): NP, GP

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= H_3PO_4 11= Gol 12= _____

List preservative code below: 11

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: PCBs (8082)	TOTAL Pb, As
SS111-11	HA-12	8/22/12	1042	G	SO		1			1	1
-12	HA-13		1228				1			1	1
-13	HA-14		1229				1			1	1
-14	HA-15		1231				1			1	1
-15	HA-16		1232				1			1	1
-16	HA-17		1234				1			1	1
-17	HA-18		1235				1			1	1
-18	HA-19		1237				1			1	1
-19	HA-20		1239				1			1	1
-20	HA-21		1300				1			1	1

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 IV*
☐ Other _____

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	Jet	8/23/12	3:30p	
Jet	RH	8/23/12	5:45	0.6

☐ EDD Format _____
☑ E-mail to npayne@paynegroup.com

Condition upon receipt:
☐ Ambient ☐ Iced ☑ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SS111

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 5

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: RAYNS ENVIRONMENTAL LLC
85 WILLOW ST
NEW HAVEN, CT 06511

Telephone #: 203-865-1285
Project Mgr. NEIL RAYNS

Invoice To: GAIL SIMON
SAME

P.O. No.: _____ RQN: 7511

Project No.: 12.110/001
Site Name: RIVERSIDE APTS
Location: ANSONIA State: CT
Sampler(s): NR, GP

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=H_3PO_4 11= COOL 12= _____

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 (8082)	Total Pb, As	
SS111-21	HA-22		1304	G	SO		1			1	1	
-22	HA-23		1305				1			1	1	
-23	HA-24		1306				1			1	1	
-24	HA-25		1308				1			1	1	
-25	HA-26		1310				1			1	1	
-26	HA-27		1311				1			1	1	
-27	HA-28		1312				1			1	1	
-28	HA-29		1325				1			1	1	
-29	HA-30		1326				1			1	1	
-30	HA-31		1328				1			1	1	

List preservative code below: 11

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 IV*
☐ Other _____

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	JET	8/23/12	3:30p	
JET	BH	8/23/12	5:45	0.6

☐ EDD Format _____
☑ E-mail to npayne@payneenv.com

Condition upon receipt:
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SS SS111

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 5

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: PAYNE ENVIRONMENTAL LLC
85 WILLOW ST
NEW HAVEN, CT 06511

Telephone #: 203-865-1285
Project Mgr. NEIL PAYNE

Invoice To: GAIL SIMON
SAME

P.O. No.: _____ RQN: 7511

Project No.: 12.110/001
Site Name: RIVERSIDE MPS
Location: ANSONIA State: CT
Sampler(s): NP, GP

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=H_3PO_4 11= COOL 12= _____

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: 11

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 IV*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: PCBs (8082)	Total RCRA 8, As
SS111 -31	HA-32	8/22/12	1329	G	SO		1			1	1
-32	HA-33		1330				1			1	1
-33	HA-34		1331				1			1	1
-34	HA-35		1332				1			1	1
-35	HA-36		1333				1			1	1
-36	HA-37		1349				1			1	1
-37	HA-38		1350				1			1	1
-38	HA-39		1351				1			1	1
-39	HA-40		1352				1			1	1
-40	HA-41	↓	1353	↓	↓		1			1	1

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	Jet	8/23/12	3:30p	
Jet	RH	8/23/12	5:45	0-6

☐ EDD Format _____
☑ E-mail to npayne@payne-env.com

Condition upon receipt:
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 5 of 5

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: PAYNE ENVIRONMENTAL LLC
85 WILLOW ST
NEW HAVEN, CT 06511

Telephone #: 203-865-1285
Project Mgr. NEIL PAYNE

Invoice To: GAIL SIMON
SAME

P.O. No.: _____ RQN: 7511

Project No.: 12.110 | 601
Site Name: RIVERSIDE APTS
Location: ANSONIA State: CT
Sampler(s): NP, GF

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=H_3PO_4 11= COOL 12= _____

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	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	List preservative code below: 11	Analyses: PCBs (8082)	Analyses: TCLP 8, As	
SS114-41	HA-42	8/22/12	1354	G	SO		1				1	1	
142	HA-43		1355				1				1	1	
143	HA-44		1357				1				1	1	
144	HA-45		1415				1				1	1	
145	HA-46		1419				1				1	1	

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 IV*
☐ Other _____

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Gail Simon	Jet	8/23/12	3:30p	
Jet	RH	8/23/12	5:45p	0.6

☐ EDD Format _____
☑ E-mail to npayne@paynecorp.com

Condition upon receipt:
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

11 Almgren Drive
Agawam, MA 01001
(413) 789-9018

This preceding chain of custody has been amended to include the client requested additional analyses as noted below:

Laboratory ID	*Client ID*	*Analysis*	*Added*
SB55111-24	HA-25	SPLP Arsenic by ICP	9/7/2012
SB55111-24	HA-25	SPLP Extraction for Metals	9/7/2012
SB55111-24	HA-25	SPLP Lead by ICP	9/7/2012

Report Date:
06-Sep-12 09:20

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Payne Environmental, LLC
85 Willow Street
New Haven, CT 06511
Attn: Neil Payne

Project: Riverside Apts - Ansonia, CT
Project #: 12.110/001

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB55124-01	MW-1	Ground Water	22-Aug-12 09:40	23-Aug-12 17:45
SB55124-02	MW-2	Ground Water	22-Aug-12 09:05	23-Aug-12 17:45
SB55124-03	MW-3	Ground Water	22-Aug-12 08:25	23-Aug-12 17:45
SB55124-04	MW-4	Ground Water	22-Aug-12 07:40	23-Aug-12 17:45
SB55124-05	MW-5	Ground Water	22-Aug-12 07:10	23-Aug-12 17:45
SB55124-06	TB	Aqueous	22-Aug-12 00:00	23-Aug-12 17:45

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 refer to our website for specific certification holdings in each state.
Please note that this report contains 42 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).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: Payne Environmental, LLC - New Haven, CT

Project Location: Riverside Apts - Ansonia, CT

Project Number: 12.110/001

Sampling Date(s):
8/22/2012

Laboratory Sample ID(s):
SB55124-01 through SB55124-06

RCP Methods Used:

CT ETPH

SW846 6010C

SW846 8260C

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?	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: 9/6/2012

CASE NARRATIVE:

The samples were received 0.9 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 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 "<" (less than) 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.

According to CTDEP RCP Quality Assurance and Quality Control Requirements for VOCs by method 8260, SW-846 version 1, 7/28/05 Table 1A, recovery for some VOC analytes have been deemed potentially difficult.

For this work order, the reporting limits have not been referenced or specified.

Effective 8/8/2012, the reporting limit for CT ETPH has been raised as proposed by the CT DEP from 0.100 mg/L to 0.200 mg/L for aqueous samples. This Reporting Limit is still lower than the CT DEP proposed Reporting Limit of 0.250 mg/L.

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

SW846 8260C

Calibration:

1208066

Analyte quantified by quadratic equation type calibration.

1,2,4-Trichlorobenzene
Chloromethane
Ethanol
Naphthalene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
trans-1,4-Dichloro-2-butene

SW846 8260C

Calibration:

1208066

This affected the following samples:

1220945-BLK1
1220945-BS1
1220945-BSD1
1221182-BLK1
1221182-BS1
1221182-BSD1
MW-1
MW-2
MW-3
MW-4
MW-5
S210301-ICV1
S210601-CCV1
S210685-CCV1
TB

Laboratory Control Samples:

1220945 BS/BSD

2,2-Dichloropropane percent recoveries (66/64) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-1
MW-2
MW-3
MW-4
MW-5

Dichlorodifluoromethane (Freon12) percent recoveries (67/65) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-1
MW-2
MW-3
MW-4
MW-5

trans-1,4-Dichloro-2-butene percent recoveries (52/91) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-1
MW-2
MW-3
MW-4
MW-5

Trichlorofluoromethane (Freon 11) percent recoveries (75/69) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-1
MW-2
MW-3
MW-4
MW-5

1220945 BSD

SW846 8260C

Laboratory Control Samples:

1220945 BSD

trans-1,4-Dichloro-2-butene RPD 55% (20%) is outside individual acceptance criteria, but within overall method allowances.

1221182 BS/BSD

Dichlorodifluoromethane (Freon12) percent recoveries (69/65) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

TB

trans-1,4-Dichloro-2-butene percent recoveries (62/78) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

TB

Trichlorofluoromethane (Freon 11) percent recoveries (72/68) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

TB

1221182 BSD

trans-1,4-Dichloro-2-butene RPD 23% (20%) is outside individual acceptance criteria, but within overall method allowances.

Samples:

S210601-CCV1

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

1,1,2-Trichlorotrifluoroethane (Freon 113) (-26.7%)
1,1-Dichloroethene (-23.4%)
2,2-Dichloropropane (-35.8%)
2-Butanone (MEK) (-24.1%)
Carbon disulfide (-23.9%)
Dichlorodifluoromethane (Freon12) (-35.2%)
Methyl tert-butyl ether (-25.4%)
Tert-Butanol / butyl alcohol (-25.0%)
Trichlorofluoromethane (Freon 11) (-31.4%)
Vinyl chloride (-29.6%)

This affected the following samples:

1220945-BLK1
1220945-BS1
1220945-BSD1
MW-1
MW-2
MW-3
MW-4
MW-5

S210685-CCV1

SW846 8260C

Samples:

S210685-CCV1

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

1,1,2-Trichlorotrifluoroethane (Freon 113) (-25.9%)
1,1-Dichloroethene (-23.8%)
Acetone (-20.2%)
Chloroethane (-20.1%)
Dichlorodifluoromethane (Freon12) (-32.8%)
Ethyl ether (-24.5%)
Methyl tert-butyl ether (-22.5%)
Tert-Butanol / butyl alcohol (-26.0%)
Trichlorofluoromethane (Freon 11) (-29.2%)
Vinyl chloride (-29.5%)

This affected the following samples:

1221182-BLK1
1221182-BS1
1221182-BSD1
TB

SW846 8270D SIM

Samples:

S210667-CCV1

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

Dibenzo (a,h) anthracene (25.8%)

This affected the following samples:

1220540-BLK2
1220540-BS2
1220540-BSD2
MW-1
MW-2
MW-3
MW-4
MW-5

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-1	12.110/001	Ground Water	22-Aug-12 09:40	23-Aug-12
SB55124-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	30-Aug-12	31-Aug-12	JEG	1220945	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-1	12.110/001	Ground Water	22-Aug-12 09:40	23-Aug-12
SB55124-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	30-Aug-12	31-Aug-12	JEG	1220945	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*82*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*89*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*109*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-1 SB55124-01	12.110/001	Ground Water	22-Aug-12 09:40	23-Aug-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	25-Aug-12	30-Aug-12	ML	1220540	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	**0.059**		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	**0.082**		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	**0.061**		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	**0.058**		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**0.343**		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*	*56*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*63*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	27-Aug-12	02-Sep-12	SEW	1220560	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	**0.5**		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**0.5**		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**0.5**		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*68*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			BJW	1220514	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	SW846 6010C	29-Aug-12	31-Aug-12	EDT	1220868	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-2	12.110/001	Ground Water	22-Aug-12 09:05	23-Aug-12
SB55124-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	30-Aug-12	31-Aug-12	JEG	1220945	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-2	12.110/001	Ground Water	22-Aug-12 09:05	23-Aug-12
SB55124-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	30-Aug-12	31-Aug-12	JEG	1220945	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*82*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*109*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-2 SB55124-02	12.110/001	Ground Water	22-Aug-12 09:05	23-Aug-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	25-Aug-12	30-Aug-12	ML	1220540	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*	*52*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*59*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	27-Aug-12	02-Sep-12	SEW	1220560	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*86*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			BJW	1220514	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	SW846 6010C	29-Aug-12	31-Aug-12	EDT	1220868	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-3	12.110/001	Ground Water	22-Aug-12 08:25	23-Aug-12
SB55124-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	30-Aug-12	31-Aug-12	JEG	1220945	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	3.19		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-3	12.110/001	Ground Water	22-Aug-12 08:25	23-Aug-12
SB55124-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	30-Aug-12	31-Aug-12	JEG	1220945	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*81*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-3	12.110/001	Ground Water	22-Aug-12 08:25	23-Aug-12
SB55124-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	25-Aug-12	30-Aug-12	ML	1220540	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	**0.071**		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*	*59*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*68*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	27-Aug-12	02-Sep-12	SEW	1220560	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*111*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			BJW	1220514	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	SW846 6010C	29-Aug-12	31-Aug-12	EDT	1220868	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-4	12.110/001	Ground Water	22-Aug-12 07:40	23-Aug-12
SB55124-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	30-Aug-12	31-Aug-12	JEG	1220945	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	**9.94**		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-4	12.110/001	Ground Water	22-Aug-12 07:40	23-Aug-12
SB55124-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	30-Aug-12	31-Aug-12	JEG	1220945	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*80*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*112*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-4	12.110/001	Ground Water	22-Aug-12 07:40	23-Aug-12
SB55124-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	25-Aug-12	30-Aug-12	ML	1220540	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	**0.104**		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*	*56*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*72*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	27-Aug-12	02-Sep-12	SEW	1220560	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*75*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			BJW	1220514	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	SW846 6010C	29-Aug-12	31-Aug-12	EDT	1220868	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-5	12.110/001	Ground Water	22-Aug-12 07:10	23-Aug-12
SB55124-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	30-Aug-12	31-Aug-12	JEG	1220945	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-5	12.110/001	Ground Water	22-Aug-12 07:10	23-Aug-12
SB55124-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	30-Aug-12	31-Aug-12	JEG	1220945	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*82*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-5	12.110/001	Ground Water	22-Aug-12 07:10	23-Aug-12
SB55124-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	25-Aug-12	30-Aug-12	ML	1220540	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	**0.124**		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*	*59*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*67*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	27-Aug-12	02-Sep-12	SEW	1220560	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*109*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			BJW	1220514	
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	SW846 6010C	29-Aug-12	31-Aug-12	EDT	1220868	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB	12.110/001	Aqueous	22-Aug-12 00:00	23-Aug-12
SB55124-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	04-Sep-12	04-Sep-12	JEG	1221182	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB	12.110/001	Aqueous	22-Aug-12 00:00	23-Aug-12
SB55124-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	04-Sep-12	04-Sep-12	JEG	1221182	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*83*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*110*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*			*70-130 %*			"	"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220945 - SW846 5030 Water MS										
Blank (1220945-BLK1)					Prepared & Analyzed: 30-Aug-12					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.50		µg/l	0.50						
Benzene	< 1.00		µg/l	1.00						
Bromobenzene	< 1.00		µg/l	1.00						
Bromochloromethane	< 1.00		µg/l	1.00						
Bromodichloromethane	< 0.50		µg/l	0.50						
Bromoform	< 1.00		µg/l	1.00						
Bromomethane	< 2.00		µg/l	2.00						
2-Butanone (MEK)	< 10.0		µg/l	10.0						
n-Butylbenzene	< 1.00		µg/l	1.00						
sec-Butylbenzene	< 1.00		µg/l	1.00						
tert-Butylbenzene	< 1.00		µg/l	1.00						
Carbon disulfide	< 2.00		µg/l	2.00						
Carbon tetrachloride	< 1.00		µg/l	1.00						
Chlorobenzene	< 1.00		µg/l	1.00						
Chloroethane	< 2.00		µg/l	2.00						
Chloroform	< 1.00		µg/l	1.00						
Chloromethane	< 2.00		µg/l	2.00						
2-Chlorotoluene	< 1.00		µg/l	1.00						
4-Chlorotoluene	< 1.00		µg/l	1.00						
1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 1.00		µg/l	1.00						
1,2-Dichlorobenzene	< 1.00		µg/l	1.00						
1,3-Dichlorobenzene	< 1.00		µg/l	1.00						
1,4-Dichlorobenzene	< 1.00		µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00						
1,1-Dichloroethane	< 1.00		µg/l	1.00						
1,2-Dichloroethane	< 1.00		µg/l	1.00						
1,1-Dichloroethene	< 1.00		µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00		µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00		µg/l	1.00						
1,2-Dichloropropane	< 1.00		µg/l	1.00						
1,3-Dichloropropane	< 1.00		µg/l	1.00						
2,2-Dichloropropane	< 1.00		µg/l	1.00						
1,1-Dichloropropene	< 1.00		µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 1.00		µg/l	1.00						
Hexachlorobutadiene	< 0.50		µg/l	0.50						
2-Hexanone (MBK)	< 10.0		µg/l	10.0						
Isopropylbenzene	< 1.00		µg/l	1.00						
4-Isopropyltoluene	< 1.00		µg/l	1.00						
Methyl tert-butyl ether	< 1.00		µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0						
Methylene chloride	< 2.00		µg/l	2.00						
Naphthalene	< 1.00		µg/l	1.00						
n-Propylbenzene	< 1.00		µg/l	1.00						
Styrene	< 1.00		µg/l	1.00						
1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220945 - SW846 5030 Water MS										
Blank (1220945-BLK1)					Prepared & Analyzed: 30-Aug-12					
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 1.00		µg/l	1.00						
Toluene	< 1.00		µg/l	1.00						
1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00						
1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00						
1,1,1-Trichloroethane	< 1.00		µg/l	1.00						
1,1,2-Trichloroethane	< 1.00		µg/l	1.00						
Trichloroethene	< 1.00		µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00						
1,2,3-Trichloropropane	< 1.00		µg/l	1.00						
1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00						
1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00						
Vinyl chloride	< 1.00		µg/l	1.00						
m,p-Xylene	< 2.00		µg/l	2.00						
o-Xylene	< 1.00		µg/l	1.00						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Ethyl ether	< 1.00		µg/l	1.00						
Tert-amyl methyl ether	< 1.00		µg/l	1.00						
Ethyl tert-butyl ether	< 1.00		µg/l	1.00						
Di-isopropyl ether	< 1.00		µg/l	1.00						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
1,4-Dioxane	< 20.0		µg/l	20.0						
trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00						
Ethanol	< 400		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*40.2*		µg/l		*50.0*		*80*	*70-130*		
Surrogate: Toluene-d8	*48.0*		µg/l		*50.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*55.2*		µg/l		*50.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*54.7*		µg/l		*50.0*		*109*	*70-130*		
LCS (1220945-BS1)					Prepared & Analyzed: 30-Aug-12					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**15.2**		µg/l		20.0		76	70-130		
Acetone	**14.6**		µg/l		20.0		73	70-130		
Acrylonitrile	**15.3**		µg/l		20.0		77	70-130		
Benzene	**19.4**		µg/l		20.0		97	70-130		
Bromobenzene	**20.2**		µg/l		20.0		101	70-130		
Bromochloromethane	**21.1**		µg/l		20.0		106	70-130		
Bromodichloromethane	**19.3**		µg/l		20.0		96	70-130		
Bromoform	**21.3**		µg/l		20.0		107	70-130		
Bromomethane	**19.3**		µg/l		20.0		97	70-130		
2-Butanone (MEK)	**15.4**		µg/l		20.0		77	70-130		
n-Butylbenzene	**16.5**		µg/l		20.0		83	70-130		
sec-Butylbenzene	**18.4**		µg/l		20.0		92	70-130		
tert-Butylbenzene	**19.0**		µg/l		20.0		95	70-130		
Carbon disulfide	**15.6**		µg/l		20.0		78	70-130		
Carbon tetrachloride	**17.8**		µg/l		20.0		89	70-130		
Chlorobenzene	**19.4**		µg/l		20.0		97	70-130		
Chloroethane	**16.1**		µg/l		20.0		81	70-130		
Chloroform	**22.4**		µg/l		20.0		112	70-130		
Chloromethane	**17.6**		µg/l		20.0		88	70-130		
2-Chlorotoluene	**21.4**		µg/l		20.0		107	70-130		
4-Chlorotoluene	**21.5**		µg/l		20.0		108	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220945 - SW846 5030 Water MS										
LCS (1220945-BS1)					Prepared & Analyzed: 30-Aug-12					
1,2-Dibromo-3-chloropropane	**19.5**		µg/l		20.0		98	70-130		
Dibromochloromethane	**20.4**		µg/l		20.0		102	70-130		
1,2-Dibromoethane (EDB)	**20.7**		µg/l		20.0		104	70-130		
Dibromomethane	**19.4**		µg/l		20.0		97	70-130		
1,2-Dichlorobenzene	**18.9**		µg/l		20.0		94	70-130		
1,3-Dichlorobenzene	**22.0**		µg/l		20.0		110	70-130		
1,4-Dichlorobenzene	**17.7**		µg/l		20.0		88	70-130		
Dichlorodifluoromethane (Freon12)	**13.4**		µg/l		20.0		67	70-130		
1,1-Dichloroethane	**16.9**		µg/l		20.0		84	70-130		
1,2-Dichloroethane	**18.0**		µg/l		20.0		90	70-130		
1,1-Dichloroethene	**16.7**		µg/l		20.0		84	70-130		
cis-1,2-Dichloroethene	**20.3**		µg/l		20.0		102	70-130		
trans-1,2-Dichloroethene	**18.8**		µg/l		20.0		94	70-130		
1,2-Dichloropropane	**18.4**		µg/l		20.0		92	70-130		
1,3-Dichloropropane	**18.4**		µg/l		20.0		92	70-130		
2,2-Dichloropropane	**13.2**	QC2	µg/l		20.0		66	70-130		
1,1-Dichloropropene	**17.6**		µg/l		20.0		88	70-130		
cis-1,3-Dichloropropene	**19.5**		µg/l		20.0		97	70-130		
trans-1,3-Dichloropropene	**17.7**		µg/l		20.0		88	70-130		
Ethylbenzene	**21.1**		µg/l		20.0		105	70-130		
Hexachlorobutadiene	**19.4**		µg/l		20.0		97	70-130		
2-Hexanone (MBK)	**16.4**		µg/l		20.0		82	70-130		
Isopropylbenzene	**21.1**		µg/l		20.0		106	70-130		
4-Isopropyltoluene	**19.2**		µg/l		20.0		96	70-130		
Methyl tert-butyl ether	**14.7**		µg/l		20.0		73	70-130		
4-Methyl-2-pentanone (MIBK)	**17.3**		µg/l		20.0		87	70-130		
Methylene chloride	**19.4**		µg/l		20.0		97	70-130		
Naphthalene	**18.4**		µg/l		20.0		92	70-130		
n-Propylbenzene	**21.0**		µg/l		20.0		105	70-130		
Styrene	**18.2**		µg/l		20.0		91	70-130		
1,1,1,2-Tetrachloroethane	**20.4**		µg/l		20.0		102	70-130		
1,1,2,2-Tetrachloroethane	**20.0**		µg/l		20.0		100	70-130		
Tetrachloroethene	**19.6**		µg/l		20.0		98	70-130		
Toluene	**18.9**		µg/l		20.0		94	70-130		
1,2,3-Trichlorobenzene	**20.1**		µg/l		20.0		101	70-130		
1,2,4-Trichlorobenzene	**18.7**		µg/l		20.0		93	70-130		
1,3,5-Trichlorobenzene	**18.7**		µg/l		20.0		93	70-130		
1,1,1-Trichloroethane	**18.6**		µg/l		20.0		93	70-130		
1,1,2-Trichloroethane	**19.3**		µg/l		20.0		96	70-130		
Trichloroethene	**18.9**		µg/l		20.0		94	70-130		
Trichlorofluoromethane (Freon 11)	**15.0**		µg/l		20.0		75	70-130		
1,2,3-Trichloropropane	**19.4**		µg/l		20.0		97	70-130		
1,2,4-Trimethylbenzene	**18.9**		µg/l		20.0		95	70-130		
1,3,5-Trimethylbenzene	**19.1**		µg/l		20.0		96	70-130		
Vinyl chloride	**14.4**		µg/l		20.0		72	70-130		
m,p-Xylene	**44.8**		µg/l		40.0		112	70-130		
o-Xylene	**20.1**		µg/l		20.0		101	70-130		
Tetrahydrofuran	**17.4**		µg/l		20.0		87	70-130		
Ethyl ether	**16.2**		µg/l		20.0		81	70-130		
Tert-amyl methyl ether	**19.7**		µg/l		20.0		99	70-130		
Ethyl tert-butyl ether	**17.7**		µg/l		20.0		88	70-130		
Di-isopropyl ether	**18.9**		µg/l		20.0		94	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220945 - SW846 5030 Water MS										
LCS (1220945-BS1)						Prepared & Analyzed: 30-Aug-12				
Tert-Butanol / butyl alcohol	**139**		µg/l		200		70	70-130		
1,4-Dioxane	**191**		µg/l		200		95	70-130		
trans-1,4-Dichloro-2-butene	**10.4**	QC2	µg/l		20.0		52	70-130		
Ethanol	**330**		µg/l		400		83	70-130		
Surrogate: 4-Bromofluorobenzene	*53.4*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*51.4*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*51.3*		µg/l		*50.0*		*103*	*70-130*		
LCS Dup (1220945-BSD1)						Prepared & Analyzed: 30-Aug-12				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**14.7**		µg/l		20.0		73	70-130	4	20
Acetone	**17.5**		µg/l		20.0		87	70-130	18	20
Acrylonitrile	**17.1**		µg/l		20.0		86	70-130	11	20
Benzene	**19.1**		µg/l		20.0		95	70-130	1	20
Bromobenzene	**18.4**		µg/l		20.0		92	70-130	9	20
Bromochloromethane	**19.5**		µg/l		20.0		98	70-130	8	20
Bromodichloromethane	**18.4**		µg/l		20.0		92	70-130	4	20
Bromoform	**19.9**		µg/l		20.0		99	70-130	7	20
Bromomethane	**19.6**		µg/l		20.0		98	70-130	2	20
2-Butanone (MEK)	**15.2**		µg/l		20.0		76	70-130	2	20
n-Butylbenzene	**16.2**		µg/l		20.0		81	70-130	2	20
sec-Butylbenzene	**17.0**		µg/l		20.0		85	70-130	8	20
tert-Butylbenzene	**16.8**		µg/l		20.0		84	70-130	12	20
Carbon disulfide	**15.2**		µg/l		20.0		76	70-130	2	20
Carbon tetrachloride	**17.0**		µg/l		20.0		85	70-130	5	20
Chlorobenzene	**18.1**		µg/l		20.0		90	70-130	7	20
Chloroethane	**16.4**		µg/l		20.0		82	70-130	2	20
Chloroform	**21.9**		µg/l		20.0		109	70-130	2	20
Chloromethane	**18.2**		µg/l		20.0		91	70-130	3	20
2-Chlorotoluene	**20.0**		µg/l		20.0		100	70-130	7	20
4-Chlorotoluene	**20.9**		µg/l		20.0		104	70-130	3	20
1,2-Dibromo-3-chloropropane	**20.1**		µg/l		20.0		100	70-130	3	20
Dibromochloromethane	**20.0**		µg/l		20.0		100	70-130	2	20
1,2-Dibromoethane (EDB)	**20.3**		µg/l		20.0		102	70-130	2	20
Dibromomethane	**19.0**		µg/l		20.0		95	70-130	2	20
1,2-Dichlorobenzene	**18.3**		µg/l		20.0		92	70-130	3	20
1,3-Dichlorobenzene	**19.7**		µg/l		20.0		99	70-130	11	20
1,4-Dichlorobenzene	**17.1**		µg/l		20.0		86	70-130	3	20
Dichlorodifluoromethane (Freon12)	**13.0**		µg/l		20.0		65	70-130	3	20
1,1-Dichloroethane	**17.2**		µg/l		20.0		86	70-130	2	20
1,2-Dichloroethane	**19.2**		µg/l		20.0		96	70-130	6	20
1,1-Dichloroethene	**15.3**		µg/l		20.0		77	70-130	9	20
cis-1,2-Dichloroethene	**20.0**		µg/l		20.0		100	70-130	2	20
trans-1,2-Dichloroethene	**17.1**		µg/l		20.0		85	70-130	9	20
1,2-Dichloropropane	**19.2**		µg/l		20.0		96	70-130	4	20
1,3-Dichloropropane	**17.9**		µg/l		20.0		89	70-130	3	20
2,2-Dichloropropane	**12.8**	QC2	µg/l		20.0		64	70-130	2	20
1,1-Dichloropropene	**17.7**		µg/l		20.0		88	70-130	0.6	20
cis-1,3-Dichloropropene	**19.2**		µg/l		20.0		96	70-130	2	20
trans-1,3-Dichloropropene	**17.2**		µg/l		20.0		86	70-130	3	20
Ethylbenzene	**19.8**		µg/l		20.0		99	70-130	6	20
Hexachlorobutadiene	**17.1**		µg/l		20.0		86	70-130	12	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220945 - SW846 5030 Water MS										
LCS Dup (1220945-BSD1)					Prepared & Analyzed: 30-Aug-12					
2-Hexanone (MBK)	**17.9**		µg/l		20.0		90	70-130	9	20
Isopropylbenzene	**19.4**		µg/l		20.0		97	70-130	8	20
4-Isopropyltoluene	**18.9**		µg/l		20.0		94	70-130	2	20
Methyl tert-butyl ether	**14.9**		µg/l		20.0		75	70-130	2	20
4-Methyl-2-pentanone (MIBK)	**18.4**		µg/l		20.0		92	70-130	6	20
Methylene chloride	**20.4**		µg/l		20.0		102	70-130	5	20
Naphthalene	**17.6**		µg/l		20.0		88	70-130	4	20
n-Propylbenzene	**19.6**		µg/l		20.0		98	70-130	7	20
Styrene	**17.4**		µg/l		20.0		87	70-130	5	20
1,1,1,2-Tetrachloroethane	**19.1**		µg/l		20.0		95	70-130	7	20
1,1,2,2-Tetrachloroethane	**20.3**		µg/l		20.0		102	70-130	2	20
Tetrachloroethene	**17.9**		µg/l		20.0		90	70-130	9	20
Toluene	**18.0**		µg/l		20.0		90	70-130	5	20
1,2,3-Trichlorobenzene	**18.7**		µg/l		20.0		94	70-130	7	20
1,2,4-Trichlorobenzene	**17.3**		µg/l		20.0		87	70-130	8	20
1,3,5-Trichlorobenzene	**17.6**		µg/l		20.0		88	70-130	6	20
1,1,1-Trichloroethane	**17.7**		µg/l		20.0		88	70-130	5	20
1,1,2-Trichloroethane	**19.9**		µg/l		20.0		99	70-130	3	20
Trichloroethene	**19.0**		µg/l		20.0		95	70-130	0.5	20
Trichlorofluoromethane (Freon 11)	**13.7**	QM9	µg/l		20.0		69	70-130	9	20
1,2,3-Trichloropropane	**19.6**		µg/l		20.0		98	70-130	1	20
1,2,4-Trimethylbenzene	**17.5**		µg/l		20.0		88	70-130	8	20
1,3,5-Trimethylbenzene	**17.4**		µg/l		20.0		87	70-130	9	20
Vinyl chloride	**14.1**		µg/l		20.0		70	70-130	2	20
m,p-Xylene	**41.9**		µg/l		40.0		105	70-130	7	20
o-Xylene	**18.9**		µg/l		20.0		94	70-130	6	20
Tetrahydrofuran	**19.2**		µg/l		20.0		96	70-130	10	20
Ethyl ether	**16.3**		µg/l		20.0		81	70-130	0.4	20
Tert-amyl methyl ether	**20.8**		µg/l		20.0		104	70-130	5	20
Ethyl tert-butyl ether	**18.0**		µg/l		20.0		90	70-130	2	20
Di-isopropyl ether	**20.1**		µg/l		20.0		100	70-130	6	20
Tert-Butanol / butyl alcohol	**150**		µg/l		200		75	70-130	7	20
1,4-Dioxane	**174**		µg/l		200		87	70-130	9	20
trans-1,4-Dichloro-2-butene	**18.1**	QR5	µg/l		20.0		91	70-130	55	20
Ethanol	**392**		µg/l		400		98	70-130	17	20
Surrogate: 4-Bromofluorobenzene	*52.2*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*51.2*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.8*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*50.0*		µg/l		*50.0*		*100*	*70-130*		
Batch 1221182 - SW846 5030 Water MS										
Blank (1221182-BLK1)					Prepared & Analyzed: 04-Sep-12					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.50		µg/l	0.50						
Benzene	< 1.00		µg/l	1.00						
Bromobenzene	< 1.00		µg/l	1.00						
Bromochloromethane	< 1.00		µg/l	1.00						
Bromodichloromethane	< 0.50		µg/l	0.50						
Bromoform	< 1.00		µg/l	1.00						
Bromomethane	< 2.00		µg/l	2.00						
2-Butanone (MEK)	< 10.0		µg/l	10.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1221182 - SW846 5030 Water MS										
Blank (1221182-BLK1)					Prepared & Analyzed: 04-Sep-12					
n-Butylbenzene	< 1.00		µg/l	1.00						
sec-Butylbenzene	< 1.00		µg/l	1.00						
tert-Butylbenzene	< 1.00		µg/l	1.00						
Carbon disulfide	< 2.00		µg/l	2.00						
Carbon tetrachloride	< 1.00		µg/l	1.00						
Chlorobenzene	< 1.00		µg/l	1.00						
Chloroethane	< 2.00		µg/l	2.00						
Chloroform	< 1.00		µg/l	1.00						
Chloromethane	< 2.00		µg/l	2.00						
2-Chlorotoluene	< 1.00		µg/l	1.00						
4-Chlorotoluene	< 1.00		µg/l	1.00						
1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 1.00		µg/l	1.00						
1,2-Dichlorobenzene	< 1.00		µg/l	1.00						
1,3-Dichlorobenzene	< 1.00		µg/l	1.00						
1,4-Dichlorobenzene	< 1.00		µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00						
1,1-Dichloroethane	< 1.00		µg/l	1.00						
1,2-Dichloroethane	< 1.00		µg/l	1.00						
1,1-Dichloroethene	< 1.00		µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00		µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00		µg/l	1.00						
1,2-Dichloropropane	< 1.00		µg/l	1.00						
1,3-Dichloropropane	< 1.00		µg/l	1.00						
2,2-Dichloropropane	< 1.00		µg/l	1.00						
1,1-Dichloropropene	< 1.00		µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 1.00		µg/l	1.00						
Hexachlorobutadiene	< 0.50		µg/l	0.50						
2-Hexanone (MBK)	< 10.0		µg/l	10.0						
Isopropylbenzene	< 1.00		µg/l	1.00						
4-Isopropyltoluene	< 1.00		µg/l	1.00						
Methyl tert-butyl ether	< 1.00		µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0						
Methylene chloride	< 2.00		µg/l	2.00						
Naphthalene	< 1.00		µg/l	1.00						
n-Propylbenzene	< 1.00		µg/l	1.00						
Styrene	< 1.00		µg/l	1.00						
1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00						
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 1.00		µg/l	1.00						
Toluene	< 1.00		µg/l	1.00						
1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00						
1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00						
1,1,1-Trichloroethane	< 1.00		µg/l	1.00						
1,1,2-Trichloroethane	< 1.00		µg/l	1.00						
Trichloroethene	< 1.00		µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1221182 - SW846 5030 Water MS										
Blank (1221182-BLK1)					Prepared & Analyzed: 04-Sep-12					
1,2,3-Trichloropropane	< 1.00		µg/l	1.00						
1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00						
1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00						
Vinyl chloride	< 1.00		µg/l	1.00						
m,p-Xylene	< 2.00		µg/l	2.00						
o-Xylene	< 1.00		µg/l	1.00						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Ethyl ether	< 1.00		µg/l	1.00						
Tert-amyl methyl ether	< 1.00		µg/l	1.00						
Ethyl tert-butyl ether	< 1.00		µg/l	1.00						
Di-isopropyl ether	< 1.00		µg/l	1.00						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
1,4-Dioxane	< 20.0		µg/l	20.0						
trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00						
Ethanol	< 400		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*41.5*		µg/l		*50.0*		*83*	*70-130*		
Surrogate: Toluene-d8	*48.7*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*55.8*		µg/l		*50.0*		*112*	*70-130*		
Surrogate: Dibromofluoromethane	*55.3*		µg/l		*50.0*		*111*	*70-130*		
LCS (1221182-BS1)					Prepared & Analyzed: 04-Sep-12					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**14.6**		µg/l		20.0		73	70-130		
Acetone	**19.5**		µg/l		20.0		98	70-130		
Acrylonitrile	**15.4**		µg/l		20.0		77	70-130		
Benzene	**19.6**		µg/l		20.0		98	70-130		
Bromobenzene	**19.8**		µg/l		20.0		99	70-130		
Bromochloromethane	**20.3**		µg/l		20.0		101	70-130		
Bromodichloromethane	**20.2**		µg/l		20.0		101	70-130		
Bromoform	**21.5**		µg/l		20.0		108	70-130		
Bromomethane	**19.8**		µg/l		20.0		99	70-130		
2-Butanone (MEK)	**16.0**		µg/l		20.0		80	70-130		
n-Butylbenzene	**17.3**		µg/l		20.0		86	70-130		
sec-Butylbenzene	**18.6**		µg/l		20.0		93	70-130		
tert-Butylbenzene	**18.8**		µg/l		20.0		94	70-130		
Carbon disulfide	**16.7**		µg/l		20.0		83	70-130		
Carbon tetrachloride	**18.6**		µg/l		20.0		93	70-130		
Chlorobenzene	**19.1**		µg/l		20.0		96	70-130		
Chloroethane	**17.1**		µg/l		20.0		85	70-130		
Chloroform	**23.4**		µg/l		20.0		117	70-130		
Chloromethane	**19.6**		µg/l		20.0		98	70-130		
2-Chlorotoluene	**21.8**		µg/l		20.0		109	70-130		
4-Chlorotoluene	**22.2**		µg/l		20.0		111	70-130		
1,2-Dibromo-3-chloropropane	**21.0**		µg/l		20.0		105	70-130		
Dibromochloromethane	**20.6**		µg/l		20.0		103	70-130		
1,2-Dibromoethane (EDB)	**20.2**		µg/l		20.0		101	70-130		
Dibromomethane	**19.7**		µg/l		20.0		99	70-130		
1,2-Dichlorobenzene	**19.4**		µg/l		20.0		97	70-130		
1,3-Dichlorobenzene	**21.4**		µg/l		20.0		107	70-130		
1,4-Dichlorobenzene	**17.2**		µg/l		20.0		86	70-130		
Dichlorodifluoromethane (Freon12)	**13.9**		µg/l		20.0		69	70-130		
1,1-Dichloroethane	**17.3**		µg/l		20.0		86	70-130		
1,2-Dichloroethane	**19.4**		µg/l		20.0		97	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1221182 - SW846 5030 Water MS										
LCS (1221182-BS1)						Prepared & Analyzed: 04-Sep-12				
1,1-Dichloroethene	**16.1**		µg/l		20.0		80	70-130		
cis-1,2-Dichloroethene	**20.6**		µg/l		20.0		103	70-130		
trans-1,2-Dichloroethene	**18.7**		µg/l		20.0		93	70-130		
1,2-Dichloropropane	**19.8**		µg/l		20.0		99	70-130		
1,3-Dichloropropane	**18.7**		µg/l		20.0		94	70-130		
2,2-Dichloropropane	**15.2**		µg/l		20.0		76	70-130		
1,1-Dichloropropene	**17.8**		µg/l		20.0		89	70-130		
cis-1,3-Dichloropropene	**21.0**		µg/l		20.0		105	70-130		
trans-1,3-Dichloropropene	**18.8**		µg/l		20.0		94	70-130		
Ethylbenzene	**21.5**		µg/l		20.0		108	70-130		
Hexachlorobutadiene	**18.4**		µg/l		20.0		92	70-130		
2-Hexanone (MBK)	**15.8**		µg/l		20.0		79	70-130		
Isopropylbenzene	**21.3**		µg/l		20.0		106	70-130		
4-Isopropyltoluene	**20.5**		µg/l		20.0		102	70-130		
Methyl tert-butyl ether	**16.8**		µg/l		20.0		84	70-130		
4-Methyl-2-pentanone (MIBK)	**18.0**		µg/l		20.0		90	70-130		
Methylene chloride	**21.2**		µg/l		20.0		106	70-130		
Naphthalene	**18.0**		µg/l		20.0		90	70-130		
n-Propylbenzene	**21.1**		µg/l		20.0		106	70-130		
Styrene	**18.4**		µg/l		20.0		92	70-130		
1,1,1,2-Tetrachloroethane	**20.9**		µg/l		20.0		104	70-130		
1,1,2,2-Tetrachloroethane	**20.3**		µg/l		20.0		102	70-130		
Tetrachloroethene	**19.1**		µg/l		20.0		95	70-130		
Toluene	**19.0**		µg/l		20.0		95	70-130		
1,2,3-Trichlorobenzene	**19.7**		µg/l		20.0		98	70-130		
1,2,4-Trichlorobenzene	**18.5**		µg/l		20.0		92	70-130		
1,3,5-Trichlorobenzene	**18.6**		µg/l		20.0		93	70-130		
1,1,1-Trichloroethane	**19.2**		µg/l		20.0		96	70-130		
1,1,2-Trichloroethane	**19.4**		µg/l		20.0		97	70-130		
Trichloroethene	**20.0**		µg/l		20.0		100	70-130		
Trichlorofluoromethane (Freon 11)	**14.4**		µg/l		20.0		72	70-130		
1,2,3-Trichloropropane	**19.8**		µg/l		20.0		99	70-130		
1,2,4-Trimethylbenzene	**19.4**		µg/l		20.0		97	70-130		
1,3,5-Trimethylbenzene	**19.0**		µg/l		20.0		95	70-130		
Vinyl chloride	**14.7**		µg/l		20.0		73	70-130		
m,p-Xylene	**44.7**		µg/l		40.0		112	70-130		
o-Xylene	**20.8**		µg/l		20.0		104	70-130		
Tetrahydrofuran	**18.7**		µg/l		20.0		94	70-130		
Ethyl ether	**16.4**		µg/l		20.0		82	70-130		
Tert-amyl methyl ether	**20.6**		µg/l		20.0		103	70-130		
Ethyl tert-butyl ether	**20.0**		µg/l		20.0		100	70-130		
Di-isopropyl ether	**20.6**		µg/l		20.0		103	70-130		
Tert-Butanol / butyl alcohol	**163**		µg/l		200		81	70-130		
1,4-Dioxane	**171**		µg/l		200		86	70-130		
trans-1,4-Dichloro-2-butene	**12.5**	QM9	µg/l		20.0		62	70-130		
Ethanol	**350**		µg/l		400		88	70-130		
Surrogate: 4-Bromofluorobenzene	*52.5*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*51.2*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.8*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*50.9*		µg/l		*50.0*		*102*	*70-130*		
LCS Dup (1221182-BSD1)						Prepared & Analyzed: 04-Sep-12				

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1221182 - SW846 5030 Water MS										
LCS Dup (1221182-BSD1)					Prepared & Analyzed: 04-Sep-12					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**14.0**		µg/l		20.0		70	70-130	4	20
Acetone	**18.8**		µg/l		20.0		94	70-130	4	20
Acrylonitrile	**15.8**		µg/l		20.0		79	70-130	3	20
Benzene	**19.0**		µg/l		20.0		95	70-130	3	20
Bromobenzene	**18.7**		µg/l		20.0		94	70-130	5	20
Bromochloromethane	**19.6**		µg/l		20.0		98	70-130	4	20
Bromodichloromethane	**19.5**		µg/l		20.0		98	70-130	3	20
Bromoform	**20.9**		µg/l		20.0		104	70-130	3	20
Bromomethane	**18.6**		µg/l		20.0		93	70-130	6	20
2-Butanone (MEK)	**16.5**		µg/l		20.0		82	70-130	3	20
n-Butylbenzene	**16.0**		µg/l		20.0		80	70-130	8	20
sec-Butylbenzene	**17.1**		µg/l		20.0		86	70-130	9	20
tert-Butylbenzene	**17.4**		µg/l		20.0		87	70-130	8	20
Carbon disulfide	**15.8**		µg/l		20.0		79	70-130	6	20
Carbon tetrachloride	**17.7**		µg/l		20.0		88	70-130	5	20
Chlorobenzene	**18.0**		µg/l		20.0		90	70-130	6	20
Chloroethane	**16.8**		µg/l		20.0		84	70-130	2	20
Chloroform	**22.1**		µg/l		20.0		110	70-130	6	20
Chloromethane	**19.2**		µg/l		20.0		96	70-130	2	20
2-Chlorotoluene	**20.5**		µg/l		20.0		102	70-130	6	20
4-Chlorotoluene	**20.5**		µg/l		20.0		102	70-130	8	20
1,2-Dibromo-3-chloropropane	**20.2**		µg/l		20.0		101	70-130	4	20
Dibromochloromethane	**20.5**		µg/l		20.0		103	70-130	0.3	20
1,2-Dibromoethane (EDB)	**20.2**		µg/l		20.0		101	70-130	0.05	20
Dibromomethane	**19.5**		µg/l		20.0		98	70-130	1	20
1,2-Dichlorobenzene	**18.7**		µg/l		20.0		93	70-130	4	20
1,3-Dichlorobenzene	**19.9**		µg/l		20.0		100	70-130	7	20
1,4-Dichlorobenzene	**16.8**		µg/l		20.0		84	70-130	3	20
Dichlorodifluoromethane (Freon12)	**12.9**		µg/l		20.0		65	70-130	7	20
1,1-Dichloroethane	**17.1**		µg/l		20.0		85	70-130	1	20
1,2-Dichloroethane	**18.9**		µg/l		20.0		94	70-130	3	20
1,1-Dichloroethene	**15.7**		µg/l		20.0		79	70-130	2	20
cis-1,2-Dichloroethene	**20.3**		µg/l		20.0		101	70-130	2	20
trans-1,2-Dichloroethene	**17.0**		µg/l		20.0		85	70-130	10	20
1,2-Dichloropropane	**19.4**		µg/l		20.0		97	70-130	2	20
1,3-Dichloropropane	**18.3**		µg/l		20.0		92	70-130	2	20
2,2-Dichloropropane	**15.0**		µg/l		20.0		75	70-130	1	20
1,1-Dichloropropene	**17.1**		µg/l		20.0		85	70-130	4	20
cis-1,3-Dichloropropene	**20.1**		µg/l		20.0		100	70-130	4	20
trans-1,3-Dichloropropene	**18.3**		µg/l		20.0		91	70-130	3	20
Ethylbenzene	**19.9**		µg/l		20.0		100	70-130	8	20
Hexachlorobutadiene	**17.2**		µg/l		20.0		86	70-130	6	20
2-Hexanone (MBK)	**16.8**		µg/l		20.0		84	70-130	6	20
Isopropylbenzene	**19.6**		µg/l		20.0		98	70-130	8	20
4-Isopropyltoluene	**19.2**		µg/l		20.0		96	70-130	6	20
Methyl tert-butyl ether	**16.4**		µg/l		20.0		82	70-130	2	20
4-Methyl-2-pentanone (MIBK)	**19.2**		µg/l		20.0		96	70-130	6	20
Methylene chloride	**20.7**		µg/l		20.0		103	70-130	3	20
Naphthalene	**17.8**		µg/l		20.0		89	70-130	2	20
n-Propylbenzene	**19.2**		µg/l		20.0		96	70-130	9	20
Styrene	**17.0**		µg/l		20.0		85	70-130	8	20
1,1,1,2-Tetrachloroethane	**19.9**		µg/l		20.0		100	70-130	5	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1221182 - SW846 5030 Water MS										
LCS Dup (1221182-BSD1)					Prepared & Analyzed: 04-Sep-12					
1,1,2,2-Tetrachloroethane	**19.7**		µg/l		20.0		99	70-130	3	20
Tetrachloroethene	**18.5**		µg/l		20.0		93	70-130	3	20
Toluene	**18.7**		µg/l		20.0		94	70-130	2	20
1,2,3-Trichlorobenzene	**19.4**		µg/l		20.0		97	70-130	1	20
1,2,4-Trichlorobenzene	**17.7**		µg/l		20.0		89	70-130	4	20
1,3,5-Trichlorobenzene	**18.1**		µg/l		20.0		91	70-130	3	20
1,1,1-Trichloroethane	**17.9**		µg/l		20.0		90	70-130	7	20
1,1,2-Trichloroethane	**19.5**		µg/l		20.0		98	70-130	0.9	20
Trichloroethene	**18.0**		µg/l		20.0		90	70-130	10	20
Trichlorofluoromethane (Freon 11)	**13.6**	QM9	µg/l		20.0		68	70-130	5	20
1,2,3-Trichloropropane	**19.1**		µg/l		20.0		96	70-130	4	20
1,2,4-Trimethylbenzene	**17.6**		µg/l		20.0		88	70-130	10	20
1,3,5-Trimethylbenzene	**17.4**		µg/l		20.0		87	70-130	9	20
Vinyl chloride	**14.1**		µg/l		20.0		70	70-130	4	20
m,p-Xylene	**41.8**		µg/l		40.0		105	70-130	7	20
o-Xylene	**19.2**		µg/l		20.0		96	70-130	8	20
Tetrahydrofuran	**19.9**		µg/l		20.0		100	70-130	6	20
Ethyl ether	**16.4**		µg/l		20.0		82	70-130	0.3	20
Tert-amyl methyl ether	**20.4**		µg/l		20.0		102	70-130	1	20
Ethyl tert-butyl ether	**20.0**		µg/l		20.0		100	70-130	0.1	20
Di-isopropyl ether	**20.3**		µg/l		20.0		102	70-130	1	20
Tert-Butanol / butyl alcohol	**163**		µg/l		200		82	70-130	0.5	20
1,4-Dioxane	**189**		µg/l		200		94	70-130	10	20
trans-1,4-Dichloro-2-butene	**15.7**	QR5	µg/l		20.0		78	70-130	23	20
Ethanol	**355**		µg/l		400		89	70-130	1	20
Surrogate: 4-Bromofluorobenzene	*51.3*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*51.0*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.1*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*51.1*		µg/l		*50.0*		*102*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220540 - SW846 3510C										
Blank (1220540-BLK2)					Prepared: 25-Aug-12 Analyzed: 30-Aug-12					
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	*30.2*		µg/l		*50.0*		*60*	*30-130*		
Surrogate: Terphenyl-dl4	*33.9*		µg/l		*50.0*		*68*	*30-130*		
LCS (1220540-BS2)					Prepared: 25-Aug-12 Analyzed: 30-Aug-12					
Acenaphthene	**0.614**		µg/l	0.050	1.00		61	40-140		
Acenaphthylene	**0.635**		µg/l	0.050	1.00		64	40-140		
1-Methylnaphthalene	**0.586**		µg/l	0.050	1.00		59	40-140		
Anthracene	**0.680**		µg/l	0.050	1.00		68	40-140		
Benzo (a) anthracene	**0.732**		µg/l	0.050	1.00		73	40-140		
Benzo (a) pyrene	**0.731**		µg/l	0.050	1.00		73	40-140		
Benzo (b) fluoranthene	**0.713**		µg/l	0.050	1.00		71	40-140		
Benzo (g,h,i) perylene	**0.769**		µg/l	0.050	1.00		77	40-140		
Benzo (k) fluoranthene	**0.775**		µg/l	0.050	1.00		78	40-140		
Chrysene	**0.706**		µg/l	0.050	1.00		71	40-140		
Dibenzo (a,h) anthracene	**0.836**		µg/l	0.050	1.00		84	40-140		
Fluoranthene	**0.715**		µg/l	0.050	1.00		72	40-140		
Fluorene	**0.660**		µg/l	0.050	1.00		66	40-140		
Indeno (1,2,3-cd) pyrene	**0.741**		µg/l	0.050	1.00		74	40-140		
2-Methylnaphthalene	**0.576**		µg/l	0.050	1.00		58	40-140		
Naphthalene	**0.589**		µg/l	0.050	1.00		59	40-140		
Phenanthrene	**0.649**		µg/l	0.050	1.00		65	40-140		
Pyrene	**0.753**		µg/l	0.050	1.00		75	40-140		
Surrogate: 2-Fluorobiphenyl	*0.630*		µg/l		*1.00*		*63*	*30-130*		
Surrogate: Terphenyl-dl4	*0.730*		µg/l		*1.00*		*73*	*30-130*		
LCS Dup (1220540-BSD2)					Prepared: 25-Aug-12 Analyzed: 30-Aug-12					
Acenaphthene	**0.701**		µg/l	0.050	1.00		70	40-140	13	20
Acenaphthylene	**0.705**		µg/l	0.050	1.00		70	40-140	10	20
1-Methylnaphthalene	**0.695**		µg/l	0.050	1.00		70	40-140	17	20
Anthracene	**0.821**		µg/l	0.050	1.00		82	40-140	19	20
Benzo (a) anthracene	**0.854**		µg/l	0.050	1.00		85	40-140	15	20
Benzo (a) pyrene	**0.864**		µg/l	0.050	1.00		86	40-140	17	20
Benzo (b) fluoranthene	**0.856**		µg/l	0.050	1.00		86	40-140	18	20
Benzo (g,h,i) perylene	**0.901**		µg/l	0.050	1.00		90	40-140	16	20
Benzo (k) fluoranthene	**0.919**		µg/l	0.050	1.00		92	40-140	17	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220540 - SW846 3510C										
LCS Dup (1220540-BSD2)					Prepared: 25-Aug-12 Analyzed: 30-Aug-12					
Chrysene	**0.833**		µg/l	0.050	1.00		83	40-140	17	20
Dibenzo (a,h) anthracene	**0.991**		µg/l	0.050	1.00		99	40-140	17	20
Fluoranthene	**0.846**		µg/l	0.050	1.00		85	40-140	17	20
Fluorene	**0.767**		µg/l	0.050	1.00		77	40-140	15	20
Indeno (1,2,3-cd) pyrene	**0.874**		µg/l	0.050	1.00		87	40-140	16	20
2-Methylnaphthalene	**0.657**		µg/l	0.050	1.00		66	40-140	13	20
Naphthalene	**0.670**		µg/l	0.050	1.00		67	40-140	13	20
Phenanthrene	**0.775**		µg/l	0.050	1.00		78	40-140	18	20
Pyrene	**0.847**		µg/l	0.050	1.00		85	40-140	12	20
Surrogate: 2-Fluorobiphenyl	*0.710*		µg/l		*1.00*		*71*	*30-130*		
Surrogate: Terphenyl-dl4	*0.810*		µg/l		*1.00*		*81*	*30-130*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220560 - SW846 3510C										
Blank (1220560-BLK1)					Prepared & Analyzed: 27-Aug-12					
Gasoline	< 0.2		mg/l	0.2						
Fuel Oil #2	< 0.2		mg/l	0.2						
Fuel Oil #4	< 0.2		mg/l	0.2						
Fuel Oil #6	< 0.2		mg/l	0.2						
Motor Oil	< 0.2		mg/l	0.2						
Aviation Fuel	< 0.2		mg/l	0.2						
Unidentified	< 0.2		mg/l	0.2						
Other Oil	< 0.2		mg/l	0.2						
Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2						
C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2						
n-Nonadecane	< 0.005		mg/l	0.005						
n-Nonane	< 0.005		mg/l	0.005						
n-Decane	< 0.005		mg/l	0.005						
n-Dodecane	< 0.005		mg/l	0.005						
n-Tetradecane	< 0.005		mg/l	0.005						
n-Hexadecane	< 0.005		mg/l	0.005						
n-Octadecane	< 0.005		mg/l	0.005						
n-Eicosane	< 0.005		mg/l	0.005						
n-Docosane	< 0.005		mg/l	0.005						
n-Tetracosane	< 0.005		mg/l	0.005						
n-Hexacosane	< 0.005		mg/l	0.005						
n-Octacosane	< 0.005		mg/l	0.005						
n-Triacontane	< 0.005		mg/l	0.005						
n-Hexatriacontane	< 0.005		mg/l	0.005						
Surrogate: 1-Chlorooctadecane	*0.0458*		mg/l		*0.0500*		*92*	*50-150*		
LCS (1220560-BS1)					Prepared & Analyzed: 27-Aug-12					
C9-C36 Aliphatic Hydrocarbons	**1.2**		mg/l	0.2	1.40		86	60-120		
Surrogate: 1-Chlorooctadecane	*0.0401*		mg/l		*0.0500*		*80*	*50-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220868 - SW846 3005A										
Blank (1220868-BLK1)						Prepared: 29-Aug-12	Analyzed: 31-Aug-12			
Lead	< 0.0075		mg/l	0.0075						
Arsenic	< 0.0040		mg/l	0.0040						
LCS (1220868-BS1)						Prepared: 29-Aug-12	Analyzed: 31-Aug-12			
Lead	**1.18**		mg/l	0.0075	1.25		94	85-115		
Arsenic	**1.23**		mg/l	0.0040	1.25		98	85-115		
LCS Dup (1220868-BSD1)						Prepared: 29-Aug-12	Analyzed: 31-Aug-12			
Lead	**1.17**		mg/l	0.0075	1.25		94	85-115	0.8	20
Arsenic	**1.22**		mg/l	0.0040	1.25		97	85-115	1	20
Duplicate (1220868-DUP1)			**Source: SB55124-01**			Prepared: 29-Aug-12	Analyzed: 31-Aug-12			
Lead	< 0.0075		mg/l	0.0075		BRL				20
Arsenic	< 0.0040		mg/l	0.0040		BRL				20
Matrix Spike (1220868-MS1)			**Source: SB55124-01**			Prepared: 29-Aug-12	Analyzed: 31-Aug-12			
Lead	**1.14**		mg/l	0.0075	1.25	BRL	91	75-125		
Arsenic	**1.27**		mg/l	0.0040	1.25	BRL	101	75-125		
Matrix Spike Dup (1220868-MSD1)			**Source: SB55124-01**			Prepared: 29-Aug-12	Analyzed: 31-Aug-12			
Lead	**1.14**		mg/l	0.0075	1.25	BRL	91	75-125	0.3	20
Arsenic	**1.27**		mg/l	0.0040	1.25	BRL	102	75-125	0.4	20
Post Spike (1220868-PS1)			**Source: SB55124-01**			Prepared: 29-Aug-12	Analyzed: 31-Aug-12			
Lead	**1.13**		mg/l	0.0075	1.25	BRL	91	80-120		
Arsenic	**1.26**		mg/l	0.0040	1.25	BRL	101	80-120		

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S207084				
Initial Cal Check (S207084-ICV1)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	4.328447E+08	3.6	30
n-Nonadecane	3.83221E+08	3.864184E+08	0.8	30
n-Nonane	3.760245E+08	3.810221E+08	1.3	30
n-Decane	3.778375E+08	3.834961E+08	1.5	30
n-Dodecane	3.788807E+08	3.871111E+08	2.2	30
n-Tetradecane	3.809677E+08	3.850187E+08	1.1	30
n-Hexadecane	4.009974E+08	3.887511E+08	-3.1	30
n-Octadecane	3.8215E+08	3.875529E+08	1.4	30
n-Eicosane	3.817038E+08	3.832283E+08	0.4	30
n-Docosane	3.842103E+08	3.831643E+08	-0.3	30
n-Tetracosane	3.785843E+08	3.794521E+08	0.2	30
n-Hexacosane	3.799583E+08	3.767443E+08	-0.8	30
n-Octacosane	3.763625E+08	3.634367E+08	-3.4	30
n-Triacontane	3.74937E+08	3.708258E+08	-1.1	30
n-Hexatriacontane	3.62442E+08	3.495067E+08	-3.6	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S208034				
Initial Cal Check (S208034-ICV1)				
C9-C36 Aliphatic Hydrocarbons	5.327389E+08	3.673748E+08	-17.1	30
n-Nonadecane	3.933746E+08	3.747953E+08	-4.7	30
n-Nonane	3.929746E+08	3.578485E+08	-8.9	30
n-Decane	3.948813E+08	3.612419E+08	-8.5	30
n-Dodecane	3.96756E+08	3.665154E+08	-7.6	30
n-Tetradecane	3.993644E+08	3.671097E+08	-8.1	30
n-Hexadecane	4.183792E+08	3.744515E+08	-10.5	30
n-Octadecane	3.977692E+08	3.76497E+08	-5.3	30
n-Eicosane	3.919853E+08	3.737729E+08	-4.6	30
n-Docosane	3.819314E+08	3.705025E+08	-3.0	30
n-Tetracosane	3.498953E+08	3.540993E+08	1.2	30
n-Hexacosane	3.169274E+08	3.29682E+08	4.0	30
n-Octacosane	2.853707E+08	2.889172E+08	1.2	30
n-Triacontane	2.619333E+08	2.732404E+08	4.3	30
n-Hexatriacontane	2.28994E+08	2.417398E+08	5.6	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S210637				
Calibration Check (S210637-CCV1)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	3.468959E+08	-21.0	30
n-Nonadecane	3.83221E+08	3.05415E+08	-20.3	30
n-Nonane	3.760245E+08	2.850202E+08	-24.2	30
n-Decane	3.778375E+08	2.774196E+08	-26.6	30
n-Dodecane	3.788807E+08	2.753073E+08	-27.3	30
n-Tetradecane	3.809677E+08	2.877124E+08	-24.5	30
n-Hexadecane	4.009974E+08	2.99932E+08	-25.2	30
n-Octadecane	3.8215E+08	3.060706E+08	-19.9	30
n-Eicosane	3.817038E+08	3.078568E+08	-19.3	30
n-Docosane	3.842103E+08	3.072222E+08	-20.0	30
n-Tetracosane	3.785843E+08	3.081681E+08	-18.6	30
n-Hexacosane	3.799583E+08	3.135352E+08	-17.5	30
n-Octacosane	3.763625E+08	3.135483E+08	-16.7	30
n-Triacontane	3.74937E+08	3.158282E+08	-15.8	30
n-Hexatriacontane	3.62442E+08	3.136939E+08	-13.4	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S210637				
Calibration Check (S210637-CCV2)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	3.822885E+08	-10.9	30
n-Nonadecane	3.83221E+08	3.555229E+08	-7.2	30
n-Nonane	3.760245E+08	3.348003E+08	-11.0	30
n-Decane	3.778375E+08	3.275449E+08	-13.3	30
n-Dodecane	3.788807E+08	3.238345E+08	-14.5	30
n-Tetradecane	3.809677E+08	3.364726E+08	-11.7	30
n-Hexadecane	4.009974E+08	3.484812E+08	-13.1	30
n-Octadecane	3.8215E+08	3.523755E+08	-7.8	30
n-Eicosane	3.817038E+08	3.550343E+08	-7.0	30
n-Docosane	3.842103E+08	3.57219E+08	-7.0	30
n-Tetracosane	3.785843E+08	3.52219E+08	-7.0	30
n-Hexacosane	3.799583E+08	3.578196E+08	-5.8	30
n-Octacosane	3.763625E+08	3.591402E+08	-4.6	30
n-Triacontane	3.74937E+08	3.593648E+08	-4.2	30
n-Hexatriacontane	3.62442E+08	3.510321E+08	-3.1	30

Notes and Definitions

QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR5	RPD out of acceptance range.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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:
Kimberly Wisk

SB 55124

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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: PAYNE ENVIRONMENTAL, LLC
85 WILLOW ST
NEW HAVEN, CT 06511

Telephone #: 203-865-1285
Project Mgr. NEIL PAYNE

Invoice To: GAIL SIMON
SAME

P.O. No.: _____ RQN: 7511

Project No.: 12.110 | 001
Site Name: RIVERSIDE APTS
Location: ANSONIA State: CT
Sampler(s): NP, GP

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= H_3PO_4 11= COOL 12= _____

List preservative code below: 2 4

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOCs (8260)	PAHs (8270)	Total Pb, As	CT-ETPH
55124-01	MW-1	8/22/12	0940	G	GW	3	2		1	1	1	1	1
-02	MW-2		~~0855~~ 0905			3	2		1	1	1	1	1
-03	MW-3		0825			3	2		1	1	1	1	1
-04	MW-4		0740			3	2		1	1	1	1	1
-05	MW-5		0710			3	2		1	1	1	1	1
-06	TB	8/10/12				2				1			

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 IV*
☐ Other _____

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature] Jet	Jet	8/23/12	3:30p	
	RH	8/23/12	5:45	0.9

☐ EDD Format _____
☑ E-mail to npayne@paynegroup.com

Condition upon receipt:
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Report Date:
06-Sep-12 12:19

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

Laboratory Report

Payne Environmental, LLC
85 Willow Street
New Haven, CT 06511
Attn: Neil Payne

Project: Riverside Apts - Ansonia, CT
Project #: 12.110/001

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB55190-01	PE-1	Caulk	22-Aug-12 10:20	23-Aug-12 17:50
SB55190-02	PE-2	Caulk	22-Aug-12 12:15	23-Aug-12 17:50
SB55190-03	PE-3	Caulk	22-Aug-12 12:19	23-Aug-12 17:50
SB55190-04	PE-4	Caulk	22-Aug-12 12:22	23-Aug-12 17:50
SB55190-05	PE-5	Caulk	22-Aug-12 12:41	23-Aug-12 17:50
SB55190-06	PE-6	Caulk	22-Aug-12 12:50	23-Aug-12 17:50
SB55190-07	PE-7	Caulk	22-Aug-12 12:52	23-Aug-12 17:50
SB55190-08	PE-8	Caulk	22-Aug-12 12:53	23-Aug-12 17:50
SB55190-09	PE-9	Caulk	22-Aug-12 13:15	23-Aug-12 17:50
SB55190-10	PE-10	Caulk	22-Aug-12 13:16	23-Aug-12 17:50
SB55190-11	PE-11	Caulk	22-Aug-12 13:20	23-Aug-12 17:50
SB55190-12	PE-12	Caulk	22-Aug-12 13:36	23-Aug-12 17:50
SB55190-13	PE-13	Caulk	22-Aug-12 13:40	23-Aug-12 17:50
SB55190-14	PE-14	Caulk	22-Aug-12 13:43	23-Aug-12 17:50
SB55190-15	PE-15	Caulk	22-Aug-12 14:04	23-Aug-12 17:50
SB55190-16	PE-16	Caulk	22-Aug-12 14:08	23-Aug-12 17:50
SB55190-17	PE-17	Caulk	22-Aug-12 14:10	23-Aug-12 17:50
SB55190-18	PE-18	Caulk	22-Aug-12 14:20	23-Aug-12 17:50

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 refer to our website for specific certification holdings in each state.
Please note that this report contains 25 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).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: Payne Environmental, LLC - New Haven, CT

Project Location: Riverside Apts - Ansonia, CT

Project Number: 12.110/001

Sampling Date(s):
8/22/2012

Laboratory Sample ID(s):
SB55190-01 through SB55190-18

RCP Methods Used:
SW846 8082A

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?	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: 9/6/2012

CASE NARRATIVE:

The samples were received 0.6 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 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 "<" (less than) 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.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8082A

Samples:

SB55190-10 *PE-10*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB55190-12 *PE-12*

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

Aroclor-1254

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-1 SB55190-01	12.110/001	Caulk	22-Aug-12 10:20	23-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 169		µg/kg dry	169	84.4	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220739	X
11104-28-2	Aroclor-1221	< 169		µg/kg dry	169	152	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 169		µg/kg dry	169	108	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 169		µg/kg dry	169	99.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 169		µg/kg dry	169	82.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**549**		µg/kg dry	169	124	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**3,120**		µg/kg dry	169	75.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 169		µg/kg dry	169	157	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 169		µg/kg dry	169	53.0	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)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**96.3**		%			1	SM2540 G Mod.	29-Aug-12	30-Aug-12	VK	1220808	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-2 SB55190-02	12.110/001	Caulk	22-Aug-12 12:15	23-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 190		µg/kg dry	190	95.1	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220739	X
11104-28-2	Aroclor-1221	< 190		µg/kg dry	190	171	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 190		µg/kg dry	190	122	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 190		µg/kg dry	190	112	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 190		µg/kg dry	190	93.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**3,080**		µg/kg dry	190	140	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**400**		µg/kg dry	190	72.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 190		µg/kg dry	190	177	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 190		µg/kg dry	190	59.8	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)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**96.2**		%			1	SM2540 G Mod.	29-Aug-12	30-Aug-12	VK	1220808	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-3 SB55190-03	12.110/001	Caulk	22-Aug-12 12:19	23-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 176		µg/kg dry	176	88.1	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220739	X
11104-28-2	Aroclor-1221	< 176		µg/kg dry	176	159	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 176		µg/kg dry	176	113	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 176		µg/kg dry	176	104	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 176		µg/kg dry	176	86.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**847**		µg/kg dry	176	129	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 176		µg/kg dry	176	78.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 176		µg/kg dry	176	164	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 176		µg/kg dry	176	55.4	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)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**97.3**		%			1	SM2540 G Mod.	29-Aug-12	30-Aug-12	VK	1220808	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-4 SB55190-04	12.110/001	Caulk	22-Aug-12 12:22	23-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 186		µg/kg dry	186	92.9	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220739	X
11104-28-2	Aroclor-1221	< 186		µg/kg dry	186	168	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 186		µg/kg dry	186	119	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 186		µg/kg dry	186	110	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 186		µg/kg dry	186	91.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**837**		µg/kg dry	186	78.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 186		µg/kg dry	186	71.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 186		µg/kg dry	186	173	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 186		µg/kg dry	186	58.4	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)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**98.7**		%			1	SM2540 G Mod.	29-Aug-12	30-Aug-12	VK	1220808	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-5 SB55190-05	12.110/001	Caulk	22-Aug-12 12:41	23-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 174		µg/kg dry	174	86.8	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220739	X
11104-28-2	Aroclor-1221	< 174		µg/kg dry	174	157	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 174		µg/kg dry	174	112	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 174		µg/kg dry	174	102	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 174		µg/kg dry	174	85.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**3,620**		µg/kg dry	174	73.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 174		µg/kg dry	174	66.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 174		µg/kg dry	174	162	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 174		µg/kg dry	174	54.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**96.0**		%			1	SM2540 G Mod.	29-Aug-12	30-Aug-12	VK	1220808	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-6 SB55190-06	12.110/001	Caulk	22-Aug-12 12:50	23-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 204		µg/kg dry	204	102	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220739	X
11104-28-2	Aroclor-1221	< 204		µg/kg dry	204	184	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 204		µg/kg dry	204	131	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 204		µg/kg dry	204	120	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 204		µg/kg dry	204	100	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 204		µg/kg dry	204	150	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 204		µg/kg dry	204	78.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 204		µg/kg dry	204	190	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 204		µg/kg dry	204	64.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**96.6**		%			1	SM2540 G Mod.	29-Aug-12	30-Aug-12	VK	1220808	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-7 SB55190-07	12.110/001	Caulk	22-Aug-12 12:52	23-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 151		µg/kg dry	151	75.4	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220739	X
11104-28-2	Aroclor-1221	< 151		µg/kg dry	151	136	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 151		µg/kg dry	151	96.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 151		µg/kg dry	151	88.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 151		µg/kg dry	151	74.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**6,030**		µg/kg dry	151	111	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**996**		µg/kg dry	151	57.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 151		µg/kg dry	151	141	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 151		µg/kg dry	151	47.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**96.6**		%			1	SM2540 G Mod.	29-Aug-12	30-Aug-12	VK	1220808	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-8 SB55190-08	12.110/001	Caulk	22-Aug-12 12:53	23-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 201		µg/kg dry	201	101	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220739	X
11104-28-2	Aroclor-1221	< 201		µg/kg dry	201	181	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 201		µg/kg dry	201	129	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 201		µg/kg dry	201	119	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 201		µg/kg dry	201	98.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**1,980**		µg/kg dry	201	148	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**1,070**		µg/kg dry	201	77.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 201		µg/kg dry	201	187	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 201		µg/kg dry	201	63.2	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)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**98.0**		%			1	SM2540 G Mod.	29-Aug-12	30-Aug-12	VK	1220808	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-9 SB55190-09	12.110/001	Caulk	22-Aug-12 13:15	23-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 195		µg/kg dry	195	97.4	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220739	X
11104-28-2	Aroclor-1221	< 195		µg/kg dry	195	176	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 195		µg/kg dry	195	125	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 195		µg/kg dry	195	115	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 195		µg/kg dry	195	95.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**3,050**		µg/kg dry	195	143	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 195		µg/kg dry	195	74.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 195		µg/kg dry	195	181	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 195		µg/kg dry	195	61.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**96.9**		%			1	SM2540 G Mod.	29-Aug-12	30-Aug-12	VK	1220809	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-10 SB55190-10	12.110/001	Caulk	22-Aug-12 13:16	23-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 148		µg/kg dry	148	73.8	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220739	X
11104-28-2	Aroclor-1221	< 148		µg/kg dry	148	133	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 148		µg/kg dry	148	94.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 148		µg/kg dry	148	87.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 148		µg/kg dry	148	72.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 738	R01	µg/kg dry	738	542	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 738	R01	µg/kg dry	738	283	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 738	R01	µg/kg dry	738	688	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 738	R01	µg/kg dry	738	232	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)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*30*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**98.6**		%			1	SM2540 G Mod.	29-Aug-12	30-Aug-12	VK	1220809	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-11 SB55190-11	12.110/001	Caulk	22-Aug-12 13:20	23-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 201		µg/kg dry	201	101	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220739	X
11104-28-2	Aroclor-1221	< 201		µg/kg dry	201	181	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 201		µg/kg dry	201	129	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 201		µg/kg dry	201	119	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 201		µg/kg dry	201	98.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**3,860**		µg/kg dry	201	148	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 201		µg/kg dry	201	77.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 201		µg/kg dry	201	188	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 201		µg/kg dry	201	63.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**99.1**		%			1	SM2540 G Mod.	29-Aug-12	30-Aug-12	VK	1220809	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-12 SB55190-12	12.110/001	Caulk	22-Aug-12 13:36	23-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 196		µg/kg dry	196	98.1	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220739	X
11104-28-2	Aroclor-1221	< 196		µg/kg dry	196	177	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 196		µg/kg dry	196	126	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 196		µg/kg dry	196	116	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 196		µg/kg dry	196	96.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 392	R01	µg/kg dry	392	288	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 196		µg/kg dry	196	75.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 196		µg/kg dry	196	183	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 196		µg/kg dry	196	61.6	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)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**99.6**		%			1	SM2540 G Mod.	29-Aug-12	30-Aug-12	VK	1220809	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-13 SB55190-13	12.110/001	Caulk	22-Aug-12 13:40	23-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 180		µg/kg dry	180	90.1	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220739	X
11104-28-2	Aroclor-1221	< 180		µg/kg dry	180	162	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 180		µg/kg dry	180	116	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 180		µg/kg dry	180	106	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 180		µg/kg dry	180	88.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 180		µg/kg dry	180	132	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 180		µg/kg dry	180	69.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 180		µg/kg dry	180	168	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 180		µg/kg dry	180	56.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**98.9**		%			1	SM2540 G Mod.	29-Aug-12	30-Aug-12	VK	1220809	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-14 SB55190-14	12.110/001	Caulk	22-Aug-12 13:43	23-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 165		µg/kg dry	165	82.6	1	SW846 8082A	28-Aug-12	29-Aug-12	IMR	1220739	X
11104-28-2	Aroclor-1221	< 165		µg/kg dry	165	149	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 165		µg/kg dry	165	106	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 165		µg/kg dry	165	97.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 165		µg/kg dry	165	81.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**1,050**		µg/kg dry	165	70.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 165		µg/kg dry	165	63.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 165		µg/kg dry	165	154	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 165		µg/kg dry	165	51.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**98.1**		%			1	SM2540 G Mod.	29-Aug-12	30-Aug-12	VK	1220809	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-15	12.110/001	Caulk	22-Aug-12 14:04	23-Aug-12
SB55190-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 174		µg/kg dry	174	86.7	1	SW846 8082A	29-Aug-12	31-Aug-12	BLM	1220875	X
11104-28-2	Aroclor-1221	< 174		µg/kg dry	174	156	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 174		µg/kg dry	174	111	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 174		µg/kg dry	174	102	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 174		µg/kg dry	174	85.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 174		µg/kg dry	174	127	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 174		µg/kg dry	174	66.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 174		µg/kg dry	174	162	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 174		µg/kg dry	174	54.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**99.6**		%			1	SM2540 G Mod.	29-Aug-12	30-Aug-12	VK	1220809	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-16 SB55190-16	12.110/001	Caulk	22-Aug-12 14:08	23-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 186		µg/kg dry	186	93.1	1	SW846 8082A	29-Aug-12	31-Aug-12	BLM	1220875	X
11104-28-2	Aroclor-1221	< 186		µg/kg dry	186	168	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 186		µg/kg dry	186	120	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 186		µg/kg dry	186	110	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 186		µg/kg dry	186	91.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**475**		µg/kg dry	186	79.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 186		µg/kg dry	186	71.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 186		µg/kg dry	186	174	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 186		µg/kg dry	186	58.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**97.6**		%			1	SM2540 G Mod.	29-Aug-12	30-Aug-12	VK	1220809	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-17 SB55190-17	12.110/001	Caulk	22-Aug-12 14:10	23-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 199		µg/kg dry	199	99.2	1	SW846 8082A	29-Aug-12	31-Aug-12	BLM	1220875	X
11104-28-2	Aroclor-1221	< 199		µg/kg dry	199	179	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 199		µg/kg dry	199	127	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 199		µg/kg dry	199	117	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 199		µg/kg dry	199	97.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**576**		µg/kg dry	199	146	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 199		µg/kg dry	199	76.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 199		µg/kg dry	199	185	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 199		µg/kg dry	199	62.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*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]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**97.1**		%			1	SM2540 G Mod.	29-Aug-12	30-Aug-12	VK	1220809	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-18 SB55190-18	12.110/001	Caulk	22-Aug-12 14:20	23-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 172		µg/kg dry	172	85.9	1	SW846 8082A	29-Aug-12	31-Aug-12	BLM	1220875	X
11104-28-2	Aroclor-1221	< 172		µg/kg dry	172	155	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 172		µg/kg dry	172	110	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 172		µg/kg dry	172	101	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 172		µg/kg dry	172	84.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 172		µg/kg dry	172	126	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 172		µg/kg dry	172	65.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 172		µg/kg dry	172	160	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 172		µg/kg dry	172	54.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*			*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]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**97.7**		%			1	SM2540 G Mod.	29-Aug-12	30-Aug-12	VK	1220809	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220739 - SW846 3540C										
Blank (1220739-BLK1)					Prepared: 28-Aug-12 Analyzed: 29-Aug-12					
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]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*29.0*		µg/kg wet		*20.0*		*145*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		
LCS (1220739-BS1)					Prepared: 28-Aug-12 Analyzed: 29-Aug-12					
Aroclor-1016	**245**		µg/kg wet	20.0	250		98	40-140		
Aroclor-1016 [2C]	**239**		µg/kg wet	20.0	250		96	40-140		
Aroclor-1260	**245**		µg/kg wet	20.0	250		98	40-140		
Aroclor-1260 [2C]	**214**		µg/kg wet	20.0	250		86	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS Dup (1220739-BSD1)					Prepared: 28-Aug-12 Analyzed: 29-Aug-12					
Aroclor-1016	**244**		µg/kg wet	20.0	250		98	40-140	0.4	30
Aroclor-1016 [2C]	**243**		µg/kg wet	20.0	250		97	40-140	2	30
Aroclor-1260	**247**		µg/kg wet	20.0	250		99	40-140	0.8	30
Aroclor-1260 [2C]	**213**		µg/kg wet	20.0	250		85	40-140	0.5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Batch 1220875 - SW846 3540C										
Blank (1220875-BLK1)					Prepared: 29-Aug-12 Analyzed: 31-Aug-12					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220875 - SW846 3540C										
Blank (1220875-BLK1)					Prepared: 29-Aug-12 Analyzed: 31-Aug-12					
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*46.7*		µg/kg wet		*66.7*		*70*	*30-150*		
LCS (1220875-BS1)					Prepared: 29-Aug-12 Analyzed: 31-Aug-12					
Aroclor-1016	**783**		µg/kg wet	66.7	833		94	40-140		
Aroclor-1016 [2C]	**940**		µg/kg wet	66.7	833		113	40-140		
Aroclor-1260	**737**		µg/kg wet	66.7	833		88	40-140		
Aroclor-1260 [2C]	**677**		µg/kg wet	66.7	833		81	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*43.3*		µg/kg wet		*66.7*		*65*	*30-150*		
LCS Dup (1220875-BSD1)					Prepared: 29-Aug-12 Analyzed: 31-Aug-12					
Aroclor-1016	**803**		µg/kg wet	66.7	833		96	40-140	3	30
Aroclor-1016 [2C]	**917**		µg/kg wet	66.7	833		110	40-140	3	30
Aroclor-1260	**740**		µg/kg wet	66.7	833		89	40-140	0.5	30
Aroclor-1260 [2C]	**683**		µg/kg wet	66.7	833		82	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*43.3*		µg/kg wet		*66.7*		*65*	*30-150*		

Notes and Definitions

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

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

SB55190 VK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

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: PAYNE ENVIRONMENTAL LLC
85 WILLOW ST
NEW HAVEN, CT 06511

Telephone #: 203-865-1285
Project Mgr. KEN PAYNE

Invoice To: GAIL SIMON
SAME

P.O. No.: _____ RQN: 7511

Project No.: 12.110 | 001
Site Name: RIVERSIDE APTS
Location: ANSONIA State: CT
Sampler(s): NP, GP

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=H_3PO_4 11= COOL 12= _____

List preservative code below: 11

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= CAULK X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: PCBs (Soxhlet)	
55190-01	PE-1	8/22/12	1020	G	X1		1			1	
02	PE-2		1215				1			1	
03	PE-3		1219				1			1	
04	PE-4		1222				1			1	
05	PE-5		1241				1			1	
06	PE-6		1250				1			1	
07	PE-7		1252				1			1	
08	PE-8		1253				1			1	
09	PE-9		1315				1			1	
10	PE-10		1316				1			1	

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 IV*
☐ Other _____

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Jet	Jet	8/23/12	3:30p	
Jet	RH	8/23/12	5:50	0.6

☐ EDD Format _____
☑ E-mail to kpayne@paynelpi.com

Condition upon receipt:
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SB 55190 UK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

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: PAYNE ENVIRONMENTAL LLC
85 WILLOW ST
NEW HAVEN, CT 06511

Telephone #: 203-865-1285
Project Mgr. NEIL PAYNE

Invoice To: GAIL SIMON
SAME

P.O. No.: _____ RQN: 7511

Project No.: 12.110 001
Site Name: RIVERSIDE APTS
Location: ANSONIA State: CT
Sampler(s): NP, GP

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=H_3PO_4 11= Cool 12= _____

List preservative code below: 11

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= CAULK X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: PCBs (SOXHLET)	MA DEP MCP CAM Report: Yes ☐ No ☐
55190-11	PE-11	8/22/12	1320	G	X1		1			1	CT DPH RCP Report: Yes ☐ No ☐
12	PE-12		1336				1			1	
13	PE-13		1340				1			1	**QA/QC Reporting Level**
14	PE-14		1343				1			1	☑ Standard ☐ No QC ☐ DQA*
15	PE-15		1404				1			1	☐ NY ASP A* ☐ NY ASP B*
16	PE-16		1408				1			1	☐ NJ Reduced* ☐ NJ Full*
17	PE-17		1410				1			1	☐ TIER II* ☐ TIER IV*
18	PE-18		1420				1			1	☐ Other _____
											State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8/23/12	3:30p	
[signature]	[signature]	8/23/12	5:00	0.6

☐ EDD Format _____
☑ E-mail to npayne@payneenvironmental.com

Condition upon receipt: ☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Report Date:
06-Sep-12 12:49

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Payne Environmental, LLC
85 Willow Street
New Haven, CT 06511
Attn: Neil Payne

Project: Riverside Apts - Ansonia, CT
Project #: 12.110/001

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB55280-01	PE-19	Caulk	25-Aug-12 10:45	27-Aug-12 16:52
SB55280-02	PE-20	Caulk	25-Aug-12 11:00	27-Aug-12 16:52

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 refer to our website for specific certification holdings in each state.
Please note that this report contains 7 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).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: Payne Environmental, LLC - New Haven, CT

Project Location: Riverside Apts - Ansonia, CT

Project Number: 12.110/001

Sampling Date(s):
8/25/2012

Laboratory Sample ID(s):
SB55280-01 through SB55280-02

RCP Methods Used:
SW846 8082A

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?	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: 9/6/2012

CASE NARRATIVE:

The samples were received 3.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 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 "<" (less than) 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.

For this work order, the reporting limits have not been referenced or specified.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-19 SB55280-01	12.110/001	Caulk	25-Aug-12 10:45	27-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 177		µg/kg dry	177	88.2	1	SW846 8082A	29-Aug-12	31-Aug-12	BLM	1220875	X
11104-28-2	Aroclor-1221	< 177		µg/kg dry	177	159	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 177		µg/kg dry	177	113	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 177		µg/kg dry	177	104	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 177		µg/kg dry	177	86.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**5,880**		µg/kg dry	177	74.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 177		µg/kg dry	177	67.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 177		µg/kg dry	177	164	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 177		µg/kg dry	177	55.4	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)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**99.3**		%			1	SM2540 G Mod.	04-Sep-12	04-Sep-12	DT	1221173	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PE-20 SB55280-02	12.110/001	Caulk	25-Aug-12 11:00	27-Aug-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													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 187		µg/kg dry	187	93.6	1	SW846 8082A	29-Aug-12	31-Aug-12	BLM	1220875	X
11104-28-2	Aroclor-1221	< 187		µg/kg dry	187	169	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 187		µg/kg dry	187	120	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 187		µg/kg dry	187	110	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 187		µg/kg dry	187	91.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**3,690**		µg/kg dry	187	79.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 187		µg/kg dry	187	71.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 187		µg/kg dry	187	175	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 187		µg/kg dry	187	58.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**97.9**		%			1	SM2540 G Mod.	04-Sep-12	04-Sep-12	DT	1221173	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1220875 - SW846 3540C										
Blank (1220875-BLK1)					Prepared: 29-Aug-12 Analyzed: 31-Aug-12					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*46.7*		µg/kg wet		*66.7*		*70*	*30-150*		
LCS (1220875-BS1)					Prepared: 29-Aug-12 Analyzed: 31-Aug-12					
Aroclor-1016	**783**		µg/kg wet	66.7	833		94	40-140		
Aroclor-1016 [2C]	**940**		µg/kg wet	66.7	833		113	40-140		
Aroclor-1260	**737**		µg/kg wet	66.7	833		88	40-140		
Aroclor-1260 [2C]	**677**		µg/kg wet	66.7	833		81	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*43.3*		µg/kg wet		*66.7*		*65*	*30-150*		
LCS Dup (1220875-BSD1)					Prepared: 29-Aug-12 Analyzed: 31-Aug-12					
Aroclor-1016	**803**		µg/kg wet	66.7	833		96	40-140	3	30
Aroclor-1016 [2C]	**917**		µg/kg wet	66.7	833		110	40-140	3	30
Aroclor-1260	**740**		µg/kg wet	66.7	833		89	40-140	0.5	30
Aroclor-1260 [2C]	**683**		µg/kg wet	66.7	833		82	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*43.3*		µg/kg wet		*66.7*		*65*	*30-150*		

Notes and Definitions

dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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:
Kimberly Wisk

SB55280

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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: PAYNE ENVIRONMENTAL, LLC
85 WILLOW ST
NEW HAVEN, CT 06511

Telephone #: 203-865-1285
Project Mgr. NEIL PAYNE

Invoice To: GAIL SIMON
SAME

P.O. No.: _____ RQN: 7511

Project No.: 12.110 001
Site Name: RIVERSIDE APTS
Location: ANSONIA State: CT
Sampler(s): NP

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= H_3PO_4 11= COOL 12= _____

List preservative code below: 11

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= CAULK X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: PCBs (SOXHLET)	MA DEP MCP CAM Report: Yes ☑ No ☐
SS5280-01	PE-19	8/25/12	1045	G	X1		1			1	CT DPH RCP Report: Yes ☑ No ☐
-02	PE-20	8/25/12	1100	G	X1		1			1	per project history

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

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
		8-27-12	10:15	
		8/27/12	1652	3

☐ EDD Format _____
☑ E-mail to npayne@payneenv.com

Condition upon receipt:
☐ Ambient ☐ Iced ☑ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen