PAYNE ENVIRONMENTAL, LLC

Consulting Engineers and Scientists

PHASE III ESA & SOIL MANAGEMENT PLAN

RIVERSIDE APARTMENTS NORTH
OLSON DRIVE
ANSONIA, CONNECTICUT

February 2016

PAYNE No.: 15.127/001

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Phase III ESA & Soil Management Plan

Riverside Apartments North
Olson Drive
Ansonia, Connecticut

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1.0 Introduction

1.1 General

This *Phase III ESA & Soil Management Plan* (herein referred to as the SMP) summarizes the soil management actions proposed for redevelopment to be undertaken at the Riverside Apartment North located on Olson Drive In Ansonia, Connecticut (see Figure 1 in Attachment A). The proposed soil management actions at the site are collectively referred to as the Remedial Activity and will be conducted after reasonable opportunity for review and comment by the Owner, Construction Manager and their general contractor.

This SMP focuses on the technical aspects of the proposed remedial actions for which approval by a Connecticut Licensed Environmental Professional (LEP) may be required. Several other remedial action components (primarily related to the implementation of the remedial actions) are presented herein, although such information is presented in general terms. Several of the implementation components of the remedial actions (as presented in this SMP) are also subject to future modification either prior to and/or during execution of the remedial actions.

Modifications may occur as a result of field conditions (actual versus anticipated), project sequencing and logistics, availability of key equipment and materials, and other related changes that allow the Owner to improve upon the overall project performance, efficiencies, and schedule. The Owner's ability to identify and implement such modifications have been demonstrated on numerous occasions for remediation projects of similar scope and complexity over the several few years, and the Owner will draw from that experience to ensure that the response actions performed at the Site are equally successful.

1.2 Overview of Proposed Actions

The primary remedial action for the site involves the removal of polluted fill and underlying native soils. As presented in this SMP, it is anticipated that excess fill/soils will be excavated during planned constructions activities, which will require the reuse of this material onsite and/or treated/disposed of at an offsite permitted facility.

The proposed remedial actions are primarily related to the presence of lead, arsenic and/or polycyclic aromatic hydrocarbons (PAHs) in surficial soils. Solid waste debris fragments, including wood, brick, masonry, concrete slabs, metal, and other domestic wastes may also be encountered during soil excavation activities.

Included in this SMP is an anticipated schedule related to the proposed action.

1.3 Site History

The site includes the parcel and improvements known as the Riverside Apartments North, located at 106-165 Olson Drive in the City of Ansonia, New Haven County, Connecticut at 41º20'41.69" N latitude and 73º04'54.82" W longitude. This portion of the site is identified in the Ansonia Assessor's Office as parcel 0310068.8.

The site is located between High Street and Olson Drive. Olson Drive and the Naugatuck River abuts the site easterly. According to City Assessor records, the site is located within a multi-family district (GA zone) and the City Center Zoning District. The site is located at an elevation of approximately 36 feet above sea level (National Geodetic Vertical Datum of 1929). The topography of the site is generally level, with minor downward sloping on moving from northwest to the southeast.

The approximately 3-acre parcel is improved with four (4) multi-family apartment buildings and a new boiler house. The residential buildings were constructed circa 1960 and are currently in a state of disrepair. The boiler house was constructed circa 2010-2011 as part of a mechanical decentralization project. Site plans are provided in Attachment A.

The existing residential apartment buildings were constructed circa 1963. Olson Drive does not appear listed prior to 1963. Based on aerial photographs and Sanborn mapping Jersey Street was formerly located between High Street and Lester Street which consisted of several residential and commercial structures prior to the development of Riverside Apartments. The historical structures were reportedly destroyed in 1955 during the Naugatuck River flood. The site has undergone significant filling since the great flood as part of an overall flood protection system designed and implemented by the Army Corp of Engineers.

1.4 Environmental Setting

The site is located at an elevation of approximately 36 feet above sea level (National Geodetic Vertical Datum of 1929). The topography of the site is generally level, with minor downward sloping on moving from northwest to the southeast.

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.

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 environmental investigations conducted on the south abutter (Riverside Apartments Southside), that 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.

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 is expected to be approximately 20 feet below ground surface, based on environmental investigations conducted on the south abutter.

The Site is located in the Naugatuck River Sub Regional Basin of the Naugatuck Complex, which is tributary to the Housatonic River. The nearest natural surface water body is 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.

The property lies with flood zone X (areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than one foot or within drainage areas less than one square mile; and areas protected by levees from 1% annual chance flood), as depicted on Flood Insurance Rate Map No. 09009C0404H, panel 404 of 635 with an effective date of December 17, 2010.

Based on site observations and survey of record mapping, there are no inland wetlands on the subject site.

1.5 Regulatory Setting

Analytical results for the soil data obtained at the site were compared to the Remediation Standard Regulations (RSRs) developed by the Department of Energy & Environmental Protection (DEEP). The site is currently not in a regulatory program where the RSRs apply. Although the RSRs are not applicable to the site, they were utilized as a guideline for a reasonable standard of care in evaluating soil data and potential risk issues.

The DEEP's intent in developing these regulations is to define minimum remediation performance standards and specific numeric cleanup criteria, and to clearly specify a process for establishing an alternative site-specific standard. Although the RSRs do not specifically apply to this site, they will be used here as the standard of care in evaluating the environmental compliance status and risk issues at the site, to be protective of human health and the environment.

The regulatory requirements associated with the two primary goals of site investigations are presented in the following paragraphs.

(1) To determine whether the identified AOCs are "Release Areas" as defined in the RSRs.

A Release Area is defined in Section 22a-133k-1 of the RSRs as "...the land at and beneath which polluted soil is located as a result of a release." Polluted soil as defined in the RSRs as, "...soil affected by a release of a substance at a concentration above the analytical detection limit for such substance." If there is no polluted soil present in an AOC, or if polluted soil is present but can be demonstrated not to be the result of a release associated with the AOC, then the AOC is not a release area under the RSRs. This metric is the basis for conclusions regarding release area status in this report.

(2) 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 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.

1.6 Previous Environmental Investigations

Multiple environmental investigations and remedial activities have been conducted at the site for the period 1999-2014. A brief summary of these investigations is provided herein:

Phase I ESA, Riverside Apartments North, 106-165 Olson Drive, Ansonia, Connecticut, prepared by Payne Environmental LLC, dated April 10, 2013:

PAYNE conducted a Phase I ESA for the Site, which identified three AOCs: (1) Potential for polluted fill; (2) Potential releases from pole-mounted transformers located on the site; and (3) Potential releases of petroleum-related fluids to surficial soils may potentially have occurred due to leakage from the hydraulic fluid reservoir or associated hydraulic lines.

PAYNE recommended that a Phase II ESA be performed at the site to evaluate identified RECs in order to determine if there had been a release at the site.

Phase II ESA, Riverside Apartments North, 106-165 Olson Drive, Ansonia, Connecticut, prepared by Payne Environmental LLC, dated August 2013:

The Phase II ESA was conducted in order to evaluate the RECs identified in PAYNE's April 2013 Phase I ESA. The scope of work consisted of the following items:

- Pre-Drilling Tasks & Utility Mark-out, including development of a site--specific Health & Safety Plan (HASP) ;
- Development of a Soil Sampling and Analysis Plan (SSAP);
- Installation of six (6) surficial soil borings;
- Installation of five (5) soil borings to depths up to 20 feet below grade utilizing direct-push technology;

- Laboratory analysis of soil samples for target compounds;; and
- Preparation of a Phase II ESA Report.

A total of three (3) AOCs/RECs were identified for the subject site. These AOCs included AOC-1: Polluted Fill; AOC-2: Hydraulic Trash Compactors; and AOC-3: Pole-Mounted Transformers.

Of the three (3) AOCs, two (2) AOCs (AOC-, AOC-2) were determined to be Release Areas and warrant additional investigation in the form of a Phase III ESA in order to determine the degree and extent of contamination within each release area. No release was observed for AOC-3, pole-mounted transformers.

The data from Phase II testing indicated that release areas were identified for AOC-1 and AOC-2 and that petroleum hydrocarbons, lead, arsenic, PCBs and/or PAHs were present in surficial soils and deeper fill materials at concentrations above applicable RSR criteria. In addition

Based on planned redevelopment of the site, PAYNE recommended that a Phase III ESA sampling program be developed and implemented. The primary objectives of this Phase III ESA are to conduct investigations to define the nature and extent of identified release areas and to provide a basis for making critical decisions regarding conditions that do not comply with the Remediation Standard Regulations (RSRs).

1.7 Phase III ESA – January 2016

PAYNE conducted a targeted soil sampling program in order to collect sufficient data to render options for the reuse and/or offsite disposal of fill and native soils anticipated to be excavated and/or disturbed as part of planned redevelopment activities. These specifically included soils located within proposed building foundations. Soils in other areas of the site were sufficiently characterized in previous investigations.

1.7.1 Drilling Activities

Between January 6-14, 2016, PAYNE field personnel mobilized to the site to oversee the installation of soil borings. For this work, PAYNE co-collected soil samples during a geotechnical study performed by GZA GeoEnvironmental, Inc. (GZA), who was retained by Tise Design Associates (TDA) to conduct a subsurface investigation for the proposed housing redevelopment at the Site.

The proposed development will consist of one- to three-story, wood-framed, residential apartment units. A total of 54 housing units in 29 new buildings are planned. Associated

asphalt-paved parking, drive, and landscape areas are also proposed. The project site is divided into two parcels, a North Parcel and a South Parcel, with High Street dividing the two parcels.

The project includes demolition of existing structures on the north parcel. The north parcel will have 14 new buildings. Finished floor elevations for the new structures vary between El. 35.3 ft. and El. 37.8 ft. Proposed cut/fill are at or near existing grades. The south parcel will have 15 new buildings. Finished floor elevations for the new structures vary between El. 32.0 and El. 35.5 ft. Proposed cut/fill are at or near existing grades. It is our understanding that no basements are planned in any of the proposed buildings.

Soil samples collected were obtained utilizing standard hollow-stem auger drilling techniques; Welti installed a total of ten (10) soil borings (B-14 through B-21) within the footprints of proposed residential structures. PAYNE collected a total of nineteen (19) soil samples for subsequent laboratory analysis for target compounds. Drilling was conducted by Hardiman Company & Associates, Inc. of Shelton, Connecticut.

Soil boring locations are depicted in Figure 2 (Attachment A); test boring logs are provided in Attachment C.

Fill was encountered in all of the test borings and ranged in depth from the existing ground surface to 17 feet below existing grades. Fill generally consisted of granular soils with varying amounts of silt, ash, cinders, concrete, asphalt, wood, brick fragments, and glass.

The granular soils consisted of sand with varying amounts of gravel and silt. It ranged in relative density from medium dense to very dense. At the time the test borings were taken, groundwater was encountered in all of the test borings, with the exception of test borings GZ-8, GZ-9, GZ-10, GZ-14, GZ-14A, GZ-14B, GZ-15, GZ-16, GZ-18, GZ-22, and GZ-23. Groundwater levels were at depths ranging from 19.5 to 23 feet below existing grades at the Site.

Select soil samples were subsequently submitted to Complete Environmental Testing, Inc. (Stratford, CT) for appropriate laboratory analyses, including polycyclic aromatic hydrocarbons (PAHs, Method 8270D) and RCRA 8 metals (Method 6020A). These parameters were selected in order to obtain relevant data for onsite soil reuse in Connecticut. CET is a Connecticut State-certified laboratory (CT# PH-0116).

1.7.2 Installation of Groundwater Monitoring Wells

Four (4) groundwater monitoring wells (MW-1, MW-2, MW-3 and MW-4) were installed to depths of 28-30 feet below grade utilizing hollow-stem auger drilling methods. Monitoring 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. In addition, wells were screened to deeper depths in order to allow for sufficient groundwater recovery and to screen for the potential of VOCs at deeper groundwater depths.

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. Soil boring spoils 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.

PAYNE personnel conducted groundwater sampling on January 31, 2016 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 four (4) unfiltered groundwater samples were collected, stored in laboratory-supplied glassware and submitted for laboratory analysis for volatile organic compounds (USEPA Method 8260B). The samples were delivered to Complete Environmental Testing, Inc. (CET) of Stratford, CT for analysis. CET is a Connecticut State-certified laboratory (CT# PH-0116).

1.7.3 Quality Assurance/Quality Control

The DEEP finalized *Reasonable Confidence Protocols* (RCPs) in August 2006. These RCPs are guidelines for enhanced QA/QC procedures for analytical methods and reporting. The DEEP recommends that environmental professionals request that the laboratory follow the RCPs when producing data that is used as the basis of decisions regarding compliance with the RSRs.

PAYNE's QA/QC data validation consisted of a review Laboratory QA/QC Certification Form and confirmation of attainment of data quality objectives (i.e. applicable regulatory criteria).

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

1.7.4 Results of Investigation

A summary of analytical results for constituents detected in soil and groundwater are presented in Table 1 Table 2, respectively (see Attachment B). Soil analytical results were compared to the Res. DEC and GAPMC of the RSRs, as described in Section 1.4 above. No volatile organic compounds were detected in groundwater samples.

The laboratory analytical reports for soil samples analyzed during this investigation are included as Attachment D to this report.

Polycyclic Aromatic Hydrocarbons (PAHs) - Soil

PAH-related constituents were detected above laboratory method detection limits in 16 of 19 soil samples, with exceedances of applicable RDEC observed in 11 soil samples.

RCRA 8 Metals - Soil

A total of 19 soil samples were submitted for laboratory analysis for RCRA 8 metals. Detected metals typically included arsenic, barium, cadmium, chromium, lead, mercury and selenium. All detected concentrations of metals were generally consistent in all samples and may be representative of background conditions, although this cannot be confirmed due to lack of proper control samples. All detections were observed to be well below applicable RDEC.

Volatile Organic Compounds - Groundwater

No VOCs were detected in the four (4) groundwater samples submitted for analysis, within laboratory method detection limits. No VOCs were detected in the trip blank, submitted as part of PAYNE's quality control program.

Data Quality Assessment

Data quality objectives (DQOs) are used to ensure that data is collected in a manner that permits it to be used to evaluate conditions at a site and support decisions based on those evaluations. Procedures used to ensure that the DQOs for this project were met include the following:

- Selection of analytical methods with appropriate detection limits
- Use of pre-determined sampling handling and custody procedures
- Use of pre-determined data management and documentation procedures
- Selection of sampling locations and COCs appropriate to the study area
- Use of Connecticut's soil VOC sampling procedure
- Use of Connecticut's RCP and laboratory QA/QC procedures

A data quality analysis (DQA) and data usability evaluation (DUE) were conducted on the samples collected during the soils investigation. The DQA/DUE was conducted in accordance with DEEP's *"Laboratory Quality Control Assurance and Quality Control, Data Quality Assessment, and Data Usability Evaluation Guidance Document"*, dated May 2009. All data were analyzed and evaluated by CET using DEEP's Reasonable Confidence Protocols (RCP), as referenced in DEEP's November 2007 guidance document entitled *"Reasonable Confidence Protocols".*

A discussion of the non-conformities during the DUE is provided in Attachment C. Although the specified QA/QC performance criteria were reportedly not met by the laboratory during the soil analysis events, the laboratory datasets met the requirements for reasonable Confidence according to the Connecticut guidance document. Therefore, the results were concluded to be valid for their intended use as investigation and pre-characterization data.

1.8 Format of SMP

The remainder of this SMP is presented in four sections. The title and a brief overview of each section follow:

Section 2 – Options to address soil impacts

Section 3 – Soil Management

Section 4 - Site Excavation Work Approvals/Documentation

Section 5 - Project Schedule

Throughout this SMP, tables and figures are referenced to supplement the report text and provide more detailed information concerning various aspects of the proposed remedial action. In addition, several documents and reports related to the site are also available under separate cover for review. These reports provide an even greater level of detail should such information be desired (as appropriate, references to the prior documents will be provided within this SMP).

Copies of site figures are provided in Attachment A. Soil/groundwater data tables and laboratory data are provided in Attachments B & D, respectively.

2.0 Options to Address Soil Management

Options to reuse or dispose/treat excavated polluted fill and native soils generated during planned redevelopment are presented below.

The same remedial options will also be considered to address potential future soil disturbances in areas outside of planned redevelopment (i.e. future utility work, installation of other site improvements such as recreation areas; work undertaken by landscapers, etc…).

Option 1: Excavation and On-site Reuse (RDEC Compliant Soils)

All excess polluted soil and fill material with detected concentrations below laboratory detection limits or below the Residential Direct Exposure Criteria (RDEC) could be excavated and reused on-site at suitable locations without restriction. Based on the potential volume of polluted fill material and native soil that potentially contains concentrations of constituents exceeding the RDEC, this option is the most economically feasible for the site.

Excavated fill and native soils can be used as backfill at the site if it meets the physical criteria specified in the project documents.

Option 2: Excavation and Off-site Reuse/Treatment/Disposal

All excess polluted fill and native soil material with detected concentrations exceeding laboratory detection limits or the Residential Direct Exposure Criteria (RDEC) could be excavated and reused/treated/disposed off-site at a suitable receiving facility during site redevelopment activities. Based on the potential volume of polluted fill material and native soil that potentially contains concentrations of constituents exceeding the RDEC, this option does not appear to be economically feasible for the site.

Option 3: Render Polluted Fill/Soil Inaccessible as Defined by the RSRs

The RSRs define inaccessible soil as:
…polluted soil which is (A) more than four feet below the ground surface; (B) more than two feet below paved surface comprised of three inches of bituminous asphalt or concrete, which two feet may include the depth of any materials used as a sub-base for the pavement; (C) polluted fill beneath bituminous concrete or concrete surface comprised of a minimum of three inches of bituminous concrete or concrete if such fill is

(i) polluted in excess of applicable direct exposure criteria only by semi-volatile substances or petroleum hydrocarbons that are normal constituents of bituminous concrete, (ii) polluted by metals in concentrations not in excess of two times the applicable direct exposure criteria, or (iii) any combination of the substances or limits identified in clause (i) or (ii) of this subparagraph; or (D) (i) beneath a building or (ii) beneath another existing permanent structure provided written notice that such structure will be used to prevent human contact with such soil has been provided to the Commissioner.

The redevelopment plan for the site has been evaluated to determine if it would be possible to leave excess polluted fill and/or native soil exceeding the RDEC in place or move the material to a location at the site to meet the inaccessible soil definition. This option may be appropriate if locations can be identified at the site where such fill/soils could be relocated.

2.1 Recommended Options

Subsurface sampling has identified polluted soil associated with fill and soil materials that were likely placed at the site at the time or prior to the development of the existing site. At this location, the soil has been found to contain metals and/or PAHs at concentrations exceeding laboratory detection limits and/or baseline numeric clean-up criteria published by DEEP.

Based on a preliminary review of the three (3) options discussed above, Options 1 and 3 appear to be the most feasible option to address excess polluted fill and native soil where there have been exceedances of the RDEC. In this case, polluted soils exceeding the RDEC would have to be placed in such a way as to render it inaccessible.

3.0 Soil Management

3.1 Roles and Responsibilities of Project Team

The purpose of this section is to identify the roles and responsibilities of individual project team members and procedures to be followed when handling potentially polluted site materials. In addition, the **General Contractor** shall be responsible for identification and compliance with all applicable Federal, State, and local rules, regulations, and laws related to worker health and safety, as well as permits or licenses for handling, storage, transportation, and disposal of soil, sediment, and groundwater.

3.1.1 Project Team

- Contractor
- Soil Transporter
- Engineer (Soil Management)
- Owner
- Construction Manager

3.1.2 Roles and Responsibilities

Environmentally-impacted fill and soil material is expected to be encountered during the project. Various members of the project team will be required to perform specific duties during site redevelopment activities.

The **Contractor** shall be responsible for the following:

- Providing all labor, materials, equipment, and other services required for handling, segregating, stockpiling, reusing, loading, transporting, and disposing of target material encountered during the performance of the work within the project area and/or earthwork located outside the project limits.

- Protecting the health of workers and individuals that enter the site and the general public.

- Minimizing additional impacts to the environment.

- Obtaining all Federal, State, and local permits required under various environmental, worker, and health-related regulations for the soil management.
- Schedule coordination with the **Engineer, Owner, and Construction Manager.**
- Coordinating communications with all subcontractors regarding soil management issues.
- Coordinating with the **Engineer** to establish and maintain temporary material stockpile areas, as applicable.
- Coordinating with the **Engineer** for the off-site reuse excess material at the approved receiving location.

The **Engineer** shall be responsible for the following:

- Periodically observe material encountered during performance of work for evidence of contamination, as described below.

The **Owner** shall be responsible for the following:

- Signing all bills of lading and other receiving facility requirements for excess target material transported from each Project Area (by **Owner** or duly authorized representative).

3.2 Soil Excavation/Soil Disposition

3.2.1 Excavation

Prior to the start of work, the **Contractor** shall prepare a Site Operations Plan in accordance with the project specifications. The Plan shall be approved by the **Engineer** prior to start of work.

Soil excavated to accommodate placement of building foundations, underground utilities, grading, and for other reasons will be segregated as polluted fill and native soils and temporarily stockpiled at the site for later reuse or direct-loaded onto trucks and transported to an approved receiving facility, as required.

During environmental investigations, groundwater was not encountered at depths of planned excess material removal. For the purpose of this SMP, we assume that no dewatering will be required.

3.2.2 Polluted Fill/Soil for Off-Site Reuse

The **Contractor** shall be responsible for communicating and coordinating with the **Owner** and **Construction Manager** the onsite reuse and/or offsite reuse/disposal of excess material at an approved receiving facility. **Contractor** shall coordinate with **Owner** to obtain generator signatures on bills of laden for transport of the material for offsite reuse/disposal.

Contractor will be responsible for assuring that soil to be reused/disposed off-site contains no free-draining liquid.

Contractor shall inform **Engineer** if the amount of polluted fill/soil may exceed initial estimates so that the **Engineer** can collect additional soil samples, if necessary. If excavated soil will be loaded directly into the trucks for off-site reuse, then soil samples may need to be collected and analyzed prior to the start of excavation in order to meet the testing requirements of the project (typically one sample every 500 cubic yards).

If visual observations of soil during excavation indicate the presence of unidentifiable physical or chemical characteristics, the **Engineer** shall indicate to the **Contractor** if soil samples are to be collected and analyzed. If additional soil analysis is warranted, waste characterization soil samples will be submitted to the laboratory by the **Engineer** for the analyses required by the disposal facility.

If additional soil analysis is warranted, waste characterization soil samples will be submitted to the laboratory by the **Engineer** for the following analyses at a minimum:

- VOCs by USEPA Method 8260
- Semi-VOCs by USEPA Method 8270
- ETPH by Connecticut's ETPH Method
- RCRA 8 Metals by USEPA Method Series 6000/7000
- PCBs by USEPA Method 8082

3.2.3 Imported Soil

As applicable, soil proposed to be imported shall be used at the site only after review of the results of chemical testing and approval by the **Engineer**. Soil samples will be submitted to a Connecticut-certified laboratory by the **Contractor** for the following analyses to characterize the off-site import material:

- VOCs by USEPA Method 8260
- Semi-VOCs by USEPA Method 8270
- ETPH by Connecticut's ETPH Method
- RCRA 8 Metals by USEPA Method Series 6000/7000
- PCBs by USEPA Method 8082
- Pesticides by USEPA Method 8081

Contractor must identify the source of the soil to be imported onto the site and collect one sample every 500 cubic yards of backfill material for analysis. This frequency may be reduced at the discretion of the **Engineer.** Soil must not contain concentrations of any constituent that exceed either the background concentration at the site or the ResDEC, whichever is lower, and be acceptable to the **Engineer.** No foreign material (including asphalt) is acceptable.

3.2.5 Regulatory Compliance

The **Contractor** shall conduct all work in accordance with the appropriate and relevant federal, state and local codes, ordinances, and regulations, related to worker health & safety, transportation of regulated or hazardous wastes, environmental law, and obtain all necessary permits. The **Contractor** is required to obtain local permits in order to initiate the work.

3.3 Execution

3.3.1 Excavated Material Classification

Following excavation of on-site materials, it is the responsibility of the **Contractor** to coordinate with the **Engineer** to identify the limits of material that is not suitable for the reuse as backfill at the project site. Shallow soils outside the pre-characterization area shall be observed for physical and chemical characteristics of concern, otherwise the material is assumed to be reusable at the site as backfill.

It is the responsibility of the **Contractor** to coordinate with the **Engineer** to verify the in-place material in accordance with the classifications listed below. Soil across the site is presumed to be polluted fill or native soil based on analytical data collected during our subsurface investigations.

- **Uncontaminated/Native Soils:** These soils are "clean" material, with no visual or olfactory evidence of contamination and with chemical test results consistent with natively occurring background levels.

- **Polluted Fill:** These are soil that contain pollutants at concentrations above background levels as determined by the **Engineer** and that meet the requirements of the receiving facility.

3.3.2 Excavation

During excavation, the **Contractor** shall be responsible for performing the following specific tasks:

- Observe excavation for visual or olfactory evidence of contamination, such as certain physical objects, staining, odors, etc. If contamination is suspected in an area or of a type not previously documented, suspend excavation and contact the **Engineer**. The **Engineer** will periodically monitor excavations and assist the **Contractor** with segregation of soil, as necessary.

- Do not mix polluted/natural material with suspect polluted material while excavating, handling, or stockpiling.

- Employ control measures to minimize airborne dust.

- Periodically inspect equipment for leakage of fluids to verify that work areas are not being contaminated by equipment and that off-site areas are not being contaminated during waste transport.

- Load soil directly onto trucks for transport to an approved offsite receiving facility or stockpile at a designated temporary staging location, depending on circumstances.

3.3.3 Material Handling Requirements

3.3.3.1 General Provisions

Where applicable, the **Contractor** shall observe the following general provisions, which may be subject to alterations based on conditions encountered during performance of the work:

- Direct-load and transport excavated material to a designated temporary stockpile area or the approved receiving facility.
- Maintain project documentation with accurate records of environmental conditions within the project, material tracking and bills of lading, and receiving facility certification (as required).
- Segregate excavated material from suspect polluted based on visual observations performed during excavation, as applicable. Submit a complete copy of documentation to the **Engineer** at the completion of the project.

3.3.3.2 Best Management Practices

Contractor shall observe best management practices with the following provisions when transporting excavated material:

- Load material within the project limits and sweep project debris from off-site streets daily.
- Cover all trucks leaving the site and prevent debris from spilling from trucks or being tracked off-site.
- Transport material off-site using the appropriate licensed hauler as applicable under Federal and State DOT regulations.

3.3.4 Temporary Stockpile Area Documentation

As applicable, **Contractor** shall maintain project documentation, including site operation log of stockpile total volumes, environmental conditions at the stockpile area, material tracking, transportation manifests, and disposal certification. Inspect stockpiles daily during construction and record inspection observations in the log book for submittal to

the **Engineer** at the completion of the project. Complete removal of stockpiles shall avoid removal of underlying soils if not placed on pavement. No stockpile shall remain on-site for a period exceeding 45 days unless the proper documentation is filed with the Department of Energy and Environmental Protection, as described in section 4.1.

Documentation shall include daily field reports and minutes of meetings related to Soil Management. Submit a complete copy of documentation to the **Engineer** at the completion of the project.

3.3.5 Off-Site Reuse of Excavated Materials

When reusing and disposing of excavated polluted fill/soil off-site, **Contractor** shall use the guidelines below.

- **Polluted Fill/Native Soil -** Soils that are known or presumed to meet applicable RSR Criteria, based on past testing results and/or observations, may either be reused on-site as a backfill or transported off-site for reuse at the approved receiving facility.

- **Contractor** and **Engineer** shall determine options for off-site disposal or treatment of polluted material, if encountered, based on chemical testing and physical observations.

- **Contractor** shall dispose of polluted fill/native material only at the approved receiving facility. Uncontrolled off-site reuse of excavated material is prohibited.

- If necessary, the **Engineer** shall arrange for additional sampling and analysis of soil as may be required by the project. The results of chemical testing shall be provided to **Contractor** and **Owner** for review.

- **Contractor** shall provide **Engineer** copies of Bills of Lading, waste manifests, and any other documentation of off-site disposal requested by **Owner** and **Engineer.**

4.0 Site Excavation Work Approvals/Documentation

4.1 Temporary Soil Staging Area

If necessary, **Contractor** shall designate a temporary soil staging area to **Owner** and be responsible for local or state approvals, if necessary, and maintain documentation of the soils management through and until removal of entire stockpile. Stockpiling of polluted soil for periods exceeding 45 days typically requires registration under a Connecticut General Permit program.

4.2 Approval for Off-Site Reuse of Polluted Fill/Soil at Other Facilities

If an approved receiving facility cannot accept the targeted polluted fill/soil, **Engineer** shall assist the **Contractor** with the preparation and submittal of applications and appropriate attachments to other potential disposal facilities prior to the **Contractor's** transporting of excess excavated soils. This documentation shall be provided under separate cover.

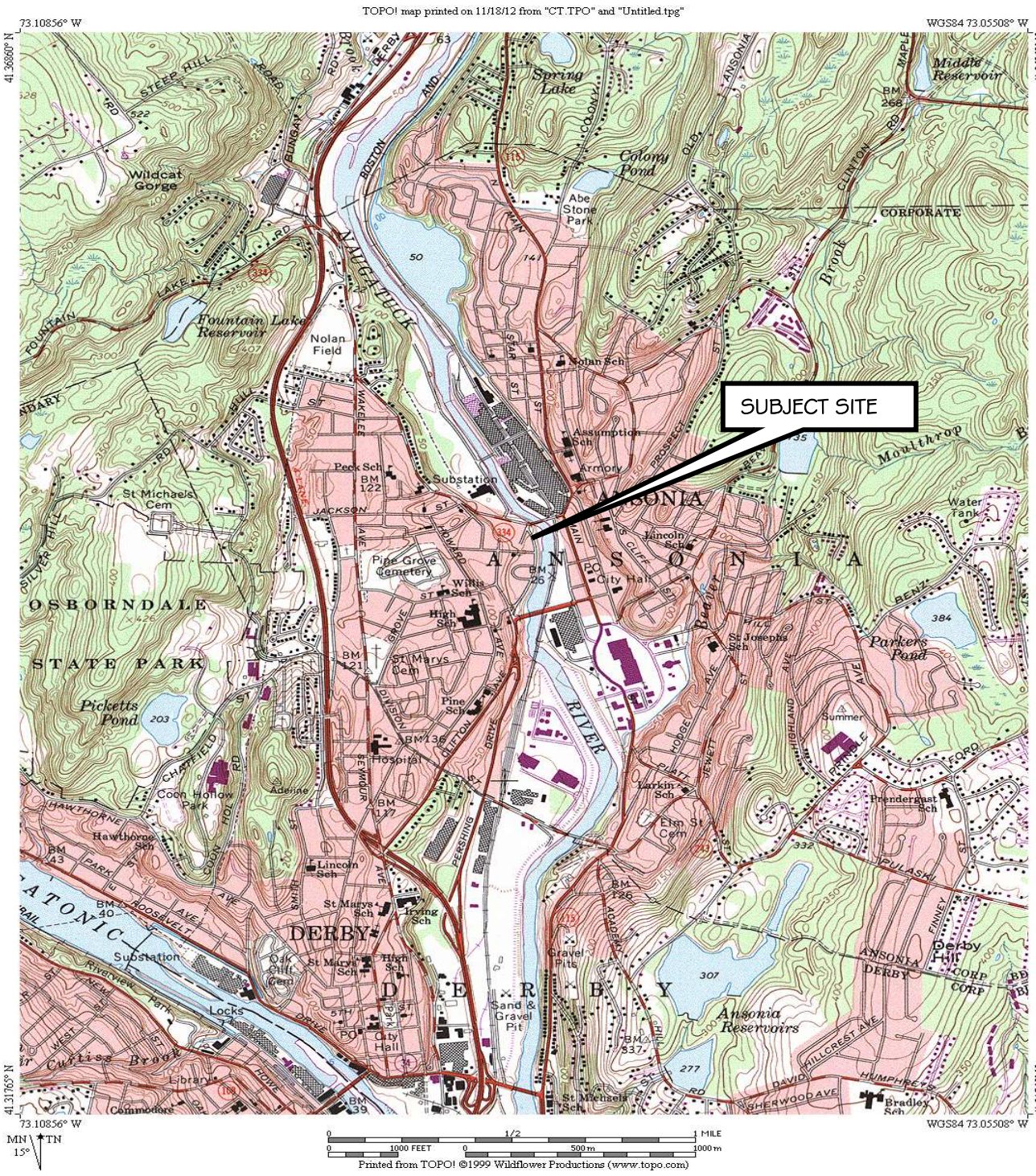
5.0 Anticipated Project Schedule

To be coordinated with the **Owner**, **Construction Manager** and **General Contractor**.

ATTACHMENT A

SITE FIGURES

PAYNE
ENVIRONMENTAL, LLC

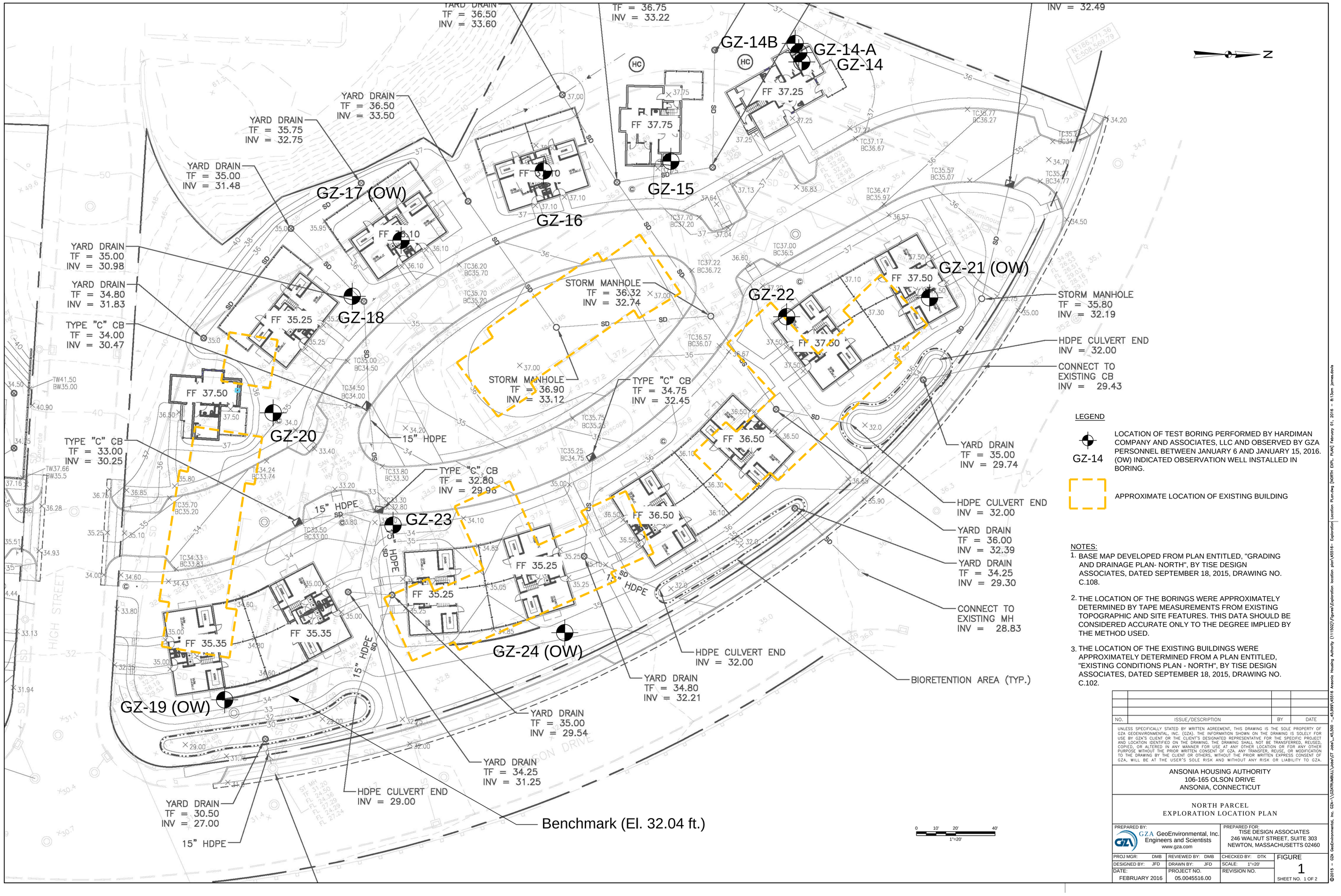


BASE MAP SOURCE:
USGS 7.5 MINUTE SERIES
TOPOGRAPHIC MAP.
*ANSONIA QU*ADRANGLE MAP
1964; REVISED 1984

FIGURE 1
SITE LOCATION MAP
RIVERSIDE APARTMENTS - NORTH
106-165 OLSON DRIVE
ANSONIA, CONNECTICUT

15.127/001

Payne Environmental, LLC



LEGEND

GZ-14 — LOCATION OF TEST BORING PERFORMED BY HARDIMAN COMPANY AND ASSOCIATES, LLC AND OBSERVED BY GZA PERSONNEL BETWEEN JANUARY 6 AND JANUARY 15, 2016. (OW) INDICATED OBSERVATION WELL INSTALLED IN BORING.

APPROXIMATE LOCATION OF EXISTING BUILDING

NOTES:

1. BASE MAP DEVELOPED FROM PLAN ENTITLED, "GRADING AND DRAINAGE PLAN- NORTH", BY TISE DESIGN ASSOCIATES, DATED SEPTEMBER 18, 2015, DRAWING NO. C.108.
2. THE LOCATION OF THE BORINGS WERE APPROXIMATELY DETERMINED BY TAPE MEASUREMENTS FROM EXISTING TOPOGRAPHIC AND SITE FEATURES. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. THE LOCATION OF THE EXISTING BUILDINGS WERE APPROXIMATELY DETERMINED FROM A PLAN ENTITLED, "EXISTING CONDITIONS PLAN - NORTH", BY TISE DESIGN ASSOCIATES, DATED SEPTEMBER 18, 2015, DRAWING NO. C.102.

NO.	ISSUE/DESCRIPTION	BY	DATE

ANSONIA HOUSING AUTHORITY
106-165 OLSON DRIVE
ANSONIA, CONNECTICUT

NORTH PARCEL
EXPLORATION LOCATION PLAN

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
TISE DESIGN ASSOCIATES
246 WALNUT STREET, SUITE 303
NEWTON, MASSACHUSETTS 02460

PROJ MGR: DMB	REVIEWED BY: DMB	CHECKED BY: DTK	FIGURE
DESIGNED BY: JFD	DRAWN BY: JFD	SCALE: 1"=20'	1
DATE: FEBRUARY 2016	PROJECT NO. 05.0045516.00	REVISION NO.	SHEET NO. 1 OF 2

ATTACHMENT B

TABLES

PAYNE
ENVIRONMENTAL, LLC

TABLE 1

Soil Analytical Results
Riverside Apartments North
Ansonia, CT

Sample ID																				
Parameter	**B-14 (0-2)**	**B-14 (7-9)**	**B-15 (2.5-4.5)**	**B-15 (5-7)**	**B-16 (0-2)**	**B-16 (5-7)**	**B-17 (2-4)**	**B-17 (5-7)**	**B-18 (0-2)**	**B-18 (5-7)**	**B-19 (0-2)**	**B-21 (0-2)**	**B-21 (5-7)**	**B-22 (0-2)**	**B-22 (5-7)**	**B-23 (0-2)**	**B-23 (5-7)**	**B-24 (0-2)**	**B-24 (5-7)**	**RSR Res. DEC**	**Criteria GA PMC**
Date	**1/6/16**	**1/6/16**	**1/12/16**	**1/12/16**	**1/13/16**	**1/13/16**	**1/12/16**	**1/12/16**	**1/13/16**	**1/13/16**	**1/13/16**	**1/14/16**	**1/14/16**	**1/14/16**	**1/14/16**	**1/14/16**	**1/14/16**	**1/14/16**	**1/14/16**	
Polycyclic Aromatic Hydrocarbons - PAHs (ug/kg)																				
2-Methyl Naphthalene	<340	<350	<320	<360	<340	<320	<350	<330	<360	<350	<340	<340	<330	<340	<320	<320	<320	<340	<330	**474,000**	**980**
Acenaphthene	<340	<350	<320	<360	<340	<320	<350	<330	470	<350	<340	<340	<330	<340	<320	<320	<320	<340	<330	**1,000,000**	**8,400**
Acenaphthylene	<340	<350	<320	<360	<340	400	<350	<330	540	<350	<340	<340	340	<340	<320	<320	<320	<340	<330	**1,000,000**	**8,400**
Anthracene	<340	<350	<320	<360	<340	<320	<350	<330	1,700	<350	580	<340	470	<340	<320	390	<320	<340	360	**1,000,000**	**40,000**
Benzo[a]anthracene	**2,500**	950	880	<360	610	760	470	<330	**3,500**	<350	**1,600**	700	**1,700**	<340	900	**1,100**	740	**1,100**	**1,000**	**1,000**	**1,000**
Benzo[a]pyrene	**3,300**	**1,100**	**1,200**	<360	680	**1,000**	570	<330	**3,700**	<350	**1,700**	810	**1,800**	<340	**1,000**	**1,100**	780	**1,200**	**1,200**	**1,000**	**1,000**
Benzo[b]fluoranthene	**4,000**	**1,300**	**1,000**	<360	760	**1,200**	670	400	**4,300**	<350	**2,100**	940	**2,000**	<340	**1,200**	**1,300**	890	**1,600**	**1,300**	**1,000**	**1,000**
Benzo[g,h,i]perylene	1,700	590	780	<360	340	460	<350	<330	1,300	<350	700	<340	650	<340	440	410	<320	510	460	**1,000,000**	**4,200**
Benzo[k]fluoranthene	1,900	620	430	<360	360	510	350	<330	2,000	<350	980	440	950	<340	560	640	460	730	610	**8,400**	**1,000**
Chrysene	3,200	1,000	890	<360	640	800	450	<330	3,300	<350	1,600	660	1,500	<340	870	960	710	1,100	1,000	**84,000**	**1,000**
Dibenz[a,h]anthracene	500	<350	330	<360	<340	<320	<350	<330	370	<350	<340	<340	<330	<340	<320	<320	<320	<340	<330	**1,000**	**1,000**
Fluoranthene	5,700	2,300	1,200	<360	1,200	1,200	750	600	7,900	<350	3,600	1,500	3,400	<340	1,800	2,100	1,500	2,200	2,200	**1,000,000**	**5,600**
Fluorene	<340	<350	<320	<360	<340	<320	<350	<330	620	<350	<340	<340	<330	<340	<320	<320	<320	<340	<330	**1,000,000**	**5,600**
Indeno[1,2,3-cd]pyrene	**1,700**	620	640	<360	360	410	<350	<330	**1,500**	<350	710	<340	680	<340	420	430	<320	530	470	**1,000**	**1,000**
Naphthalene	<340	<350	<320	<360	<340	<320	<350	<330	400	<350	<340	<340	<330	<340	<320	<320	<320	<340	<330	**1,000,000**	**5,600**
Naphthalene	<340	<350	<320	<360	<340	<320	<350	<330	400	<350	<340	<340	<330	<340	<320	<320	<320	<340	<330	**1,000,000**	**5,600**
Phenanthrene	1,600	1,200	540	<360	460	610	<350	<330	6,600	<350	2,500	810	1,500	<340	950	1,200	750	880	1,200	**1,000,000**	**4,000**
Pyrene	4,700	2,000	1,200	<360	1,100	1,300	700	540	6,700	<350	3,200	1,400	3,100	<340	1,700	1,800	1,300	2,000	2,100	**1,000,000**	**4,000**
Total Metals (mg/kg)																					
Arsenic	3	2.3	5.1	4.2	3.2	4.9	3.7	6.1	4.3	3.1	3.3	4	4.9	2.1	4.8	4.1	3.3	6.3	2.8	**10**	**0.05**
Barium	44	43	110	40	38	40	51	37	37	26	72	67	62	27	83	53	57	63	54	**4,700**	**1**
Cadmium	0.59	<0.59	1.3	<0.60	<0.56	<0.54	0.61	<0.56	<0.59	<0.59	1.2	1.1	1	<0.57	1.1	0.59	0.8	1.7	0.54	**34**	**0.005**
Chromium	10	18	21	16	11	13	13	17	9.4	8.3	19	15	12	8.1	16	14	23	16	14	**100**	**0.05**
Lead	74	30	230	15	69	37	98	39	69	9.9	150	130	160	8.9	130	84	67	220	200	**400**	**0.015**
Mercury	<0.22	<0.24	0.32	<0.24	<0.22	<0.21	0.45	<0.22	<0.24	<0.23	0.25	<0.23	<0.22	<0.23	0.97	<0.22	<0.21	0.47	<0.22	**20**	**0.002**
Selenium	3.4	5.1	5.7	6.4	3	3.7	3.9	4.6	3.3	3.3	3.3	4.8	3.6	2.6	5.2	3.5	3.4	8.6	1.8	**340**	**0.05**
Silver	<2.2	<2.4	10	<2.4	<2.2	<2.1	<2.4	<2.2	<2.4	<2.3	<2.2	<2.3	<2.2	<2.3	<2.1	<2.2	<2.1	<2.3	<2.2	**340**	**0.036**

Notes:
mg/kg - milligrams per kilogram
ug/kg - micrograms per kilogram
Res. DEC - Residential Direct Exposure Criteria
GA PMC - GA Pollutant Mobility Criteria
RSRs - Remediation Standard Regulations

TABLE 2

Detected Chemical Parameters - Groundwater
Riverside Apartments North
Ansonia, CT

WELL ID	MW-1	MW-2	MW-3	MW-4	TRIP BLANK	SWPC[1] (mg/L)	RES. VC[2] (mg/L)	GWPC[3] (mg/L)
Sample ID	MW-1	MW-2	MW-3	MW-4				
Date	1/31/16	1/31/16	1/31/16	1/31/16				
VOCs (ug/L)	ND	ND	ND	ND	ND			

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. ND = None Detected

ATTACHMENT C

BORING LOGS

PAYNE ENVIRONMENTAL, LLC

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Ansonia Housing Authority
106-165 Olsen Drive
Ansonia, CT

EXPLORATION NO.: GZ-14A
SHEET: 1 of 1
PROJECT NO: 05.0045516.00
REVIEWED BY: D.Barstow

Logged By: B. Gerardi
Drilling Co.: Hardiman Co. & Associates, Inc.
Foreman: A. Scaife

Type of Rig: Truck
Rig Model: B-50
Drilling Method: HSA

Boring Location: See Plan
Ground Surface Elev. (ft.): 37.1
Final Boring Depth (ft.): 10.5
Date Start - Finish: 1/6/2016 - 1/6/2016

H. Datum: Project
V. Datum: Project

Hammer Type: Cathead/Safety Hammer
Hammer Weight (lb.): 140 lbs
Hammer Fall (in.): 30"
Auger or Casing O.D./I.D Dia (in.): 3 1/4"

Sampler Type: Split Spoon
Sampler O.D. (in.): 2"
Sampler Length (in.): 30"
Rock Core Size: N/A

Groundwater Depth (ft.)

Date	Time	Water Depth	Stab. Time
1/6/16		Dry	5 min.

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Sample Pen. (in)	Sample Rec. (in)	Sample Blows (per 6 in.)	Sample SPT Value	Sample Description and Identification (Modified Burmister Procedure)	Remark	Field Test Data	Stratum Depth (ft.)	Stratum Description	Stratum Elev. (ft.)
5													
10		SS-1	10-12	0	0	100/0"	R	SS-1 : No Penetration	1 2 3 4		10.5		26.6
								End of exploration at 10.5 feet.					
15													
20													
25													
30													

REMARKS

1 - Augered to 10'
2 - Auger Refusal at 10.5' (Offset 5')
3 - Boring backfilled with auger spoils
4 - Offset 5' and hit Auger Refusal at 9.5' (GZ-14B)

See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Exploration No.: GZ-14A

GZA TEMPLATE TEST BORING; 2/19/2016; 4:14:36 PM

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Ansonia Housing Authority
106-165 Olsen Drive
Ansonia, CT

EXPLORATION NO.: GZ-15
SHEET: 1 of 1
PROJECT NO: 05.0045516.00
REVIEWED BY: D.Barstow

Logged By: B. Gerardi
Drilling Co.: Hardiman Co. & Associates, Inc.
Foreman: A. Scaife

Type of Rig: Truck
Rig Model: B-50
Drilling Method: HSA

Boring Location: See Plan
Ground Surface Elev. (ft.): 37.2
Final Boring Depth (ft.): 17
Date Start - Finish: 1/12/2016 - 1/12/2016

H. Datum: Project
V. Datum: Project

Hammer Type: Cathead/Safety Hammer
Hammer Weight (lb.): 140 lbs
Hammer Fall (in.): 30"
Auger or Casing O.D./I.D Dia (in.): 3 1/4"

Sampler Type: Split Spoon
Sampler O.D. (in.): 2"
Sampler Length (in.): 30"
Rock Core Size: N/A

Groundwater Depth (ft.)

Date	Time	Water Depth	Stab. Time
1/12/16	1000	Dry	

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Sample Pen. (in)	Sample Rec. (in)	Sample Blows (per 6 in.)	SPT Value	Sample Description and Identification (Modified Burmister Procedure)	Remark	Field Test Data	Stratum Depth (ft.)	Stratum Description	Stratum Elev. (ft.)
		SS-1	0.5-2.5	24	12	15 15 31 26	46	SS-1 : Top 6": Brown, fine SAND, some Silt, trace fine Gravel, trace Roots Bottom 6": Dark brown, fine GRAVEL, some fine to coarse Sand, little Silt, trace Brick	1		0.5	ASPHALT	36.7
		SS-2	2.5-4.5	24	18	18 40 30 20	70	SS-2 : Very dense, dark brown/black, fine to coarse SAND, some fine Gravel, some Silt, trace Brick, trace Asphalt	2			FILL	
5		SS-3	5-7	24	12	2 3 3 2	6	SS-3 : Loose, orange, brown, SILT and fine SAND					
		SS-4	7-9	24	14	2 2 7 12	9	SS-4 : Top 10": Orange, brown, SILT and fine SAND Bottom 4": Light brown/beige, fine to coarse SAND, some fine to coarse Gravel, trace Silt	3		8		29.2
10		SS-5	10-12	24	20	100 41 44 38	85	SS-5 : Very dense, grey, brown, fine to coarse GRAVEL, some fine to medium Sand, trace Silt	4			SAND AND GRAVEL	
15		SS-6	15-17	24	14	9 8 9 9	17	SS-6 : Medium dense, light brown, fine to coarse SAND, trace Silt (Stratified)			15		22.2
											17	SAND	20.2
								End of exploration at 17 feet.	5				
20													
25													
30													

REMARKS

1 - Auger from 0 to 2.5'. Grinding throughout
2 - Decreased drilling resistance at 4.5 feet
3 - Grinding on augers at 8' to 9.5'
4 - Grinding on augers at 10' to 13'
5 - Boring backfilled with auger spoils

See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Exploration No.: GZ-15

GZA TEMPLATE TEST BORING; 2/19/2016; 4:14:37 PM

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Ansonia Housing Authority
106-165 Olsen Drive
Ansonia, CT

EXPLORATION NO.: GZ-16
SHEET: 1 of 1
PROJECT NO: 05.0045516.00
REVIEWED BY: D.Barstow

Logged By: B. Gerardi
Drilling Co.: Hardiman Co. & Associates, Inc.
Foreman: A. Scaife

Type of Rig: Truck
Rig Model: B-50
Drilling Method: HSA

Boring Location: See Plan
Ground Surface Elev. (ft.): 36.5
Final Boring Depth (ft.): 22
Date Start - Finish: 1/12/2016 - 1/12/2016

H. Datum: Project
V. Datum: Project

Hammer Type: Cathead/Safety Hammer
Hammer Weight (lb.): 140 lbs
Hammer Fall (in.): 30"
Auger or Casing O.D./I.D Dia (in.): 3 1/4"

Sampler Type: Split Spoon
Sampler O.D. (in.): 2"
Sampler Length (in.): 30"
Rock Core Size: N/A

Groundwater Depth (ft.)

Date	Time	Water Depth	Stab. Time
1/12/16	1300	Dry	

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Sample Pen. (in)	Sample Rec. (in)	Sample Blows (per 6 in.)	SPT Value	Sample Description and Identification (Modified Burmister Procedure)	Remark	Field Test Data	Stratum Depth (ft.)	Stratum Description	Stratum Elev. (ft.)
		SS-1	0.5-2.5	24	16	6 15 12 15	27	SS-1 : Medium dense, brown, fine to coarse SAND, some Silt, little fine to coarse Gravel			0.5	ASPHALT	36.0
		SS-2	2.5-4.5	24	14	25 19 15 13	34	SS-2 : Dense, brown, black, fine to coarse SAND, some Silt, little fine to coarse Gravel, trace Roots					
5		SS-3	5-7	24	14	4 4 3 3	7	SS-3 : Top 12": Brown, orange, fine SAND, some Silt, trace Ash Bottom 2": Black, grey, white, Firebrick Fragments, little Ash and Cinders, trace Coal				FILL	
		SS-4	7-9	24	8	2 2 2 3	4	SS-4 : Loose, black, grey, white, Firebrick Fragments, little Ash and Cinders, trace Coal	1		9		27.5
10		SS-5	10-12	24	8	33 41 25 25	66	SS-5 : Very dense, light brown, fine to coarse SAND, some fine to coarse Gravel, trace Silt	2				
15		SS-6	15-17	24	20	15 39 37 37	76	SS-6 : Very dense, light brown, fine to coarse SAND, little fine to coarse Gravel, trace Silt	3			SAND AND GRAVEL	
20		SS-7	20-22	24	14	26 29 32 27	61	SS-7 : Very dense, brown, black, fine to coarse GRAVEL and fine to coarse SAND, trace Silt			22		14.5
								End of exploration at 22 feet.	4				
25													
30													

REMARKS

1 - Brown/orange, fine Sand, trace Silt found in end of SS-4 at approximately 9' (Natural)
2 - Grinding on augers at 9'-10' (Possible Boulder)
3 - Orange stratification observed in SS-6
4 - Boring backfilled with auger spoils

See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Exploration No.: GZ-16

GZA TEMPLATE TEST BORING; 2/19/2016; 4:14:37 PM

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Ansonia Housing Authority
106-165 Olsen Drive
Ansonia, CT

EXPLORATION NO.: GZ-17
SHEET: 1 of 1
PROJECT NO: 05.0045516.00
REVIEWED BY: D.Barstow

Logged By: B. Gerardi
Drilling Co.: Hardiman Co. & Associates, Inc.
Foreman: A. Scaife

Type of Rig: Truck
Rig Model: B-50
Drilling Method: HSA

Boring Location: See Plan
Ground Surface Elev. (ft.): 35.7
Final Boring Depth (ft.): 28
Date Start - Finish: 1/12/2016 - 1/12/2016

H. Datum: Project
V. Datum: Project

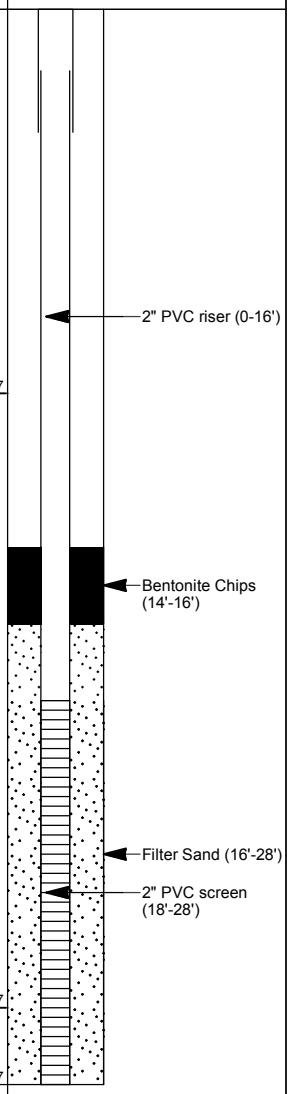
Hammer Type: Cathead/Safety Hammer
Hammer Weight (lb.): 140 lbs
Hammer Fall (in.): 30"
Auger or Casing O.D./I.D Dia (in.): 3 1/4"

Sampler Type: Split Spoon
Sampler O.D. (in.): 2"
Sampler Length (in.): 30"
Rock Core Size: N/A

Groundwater Depth (ft.)

Date	Time	Water Depth	Stab. Time
1/12/16	1430	21'	5 min.

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	Blows per 6"	SPT Value	Sample Description Modified Burmister	Remark	Field Test Data	Stratum Depth (ft.)	Stratum Description	Stratum Elev. (ft.)
0		SS-1	0-2	24	8	5 6 6 10	12	SS-1 : Medium dense, brown, fine SAND, some Silt, trace fine Gravel, trace Roots					
		SS-2	2-4	24	12	12 8 7 9	15	SS-2 : Medium dense, brown, fine SAND and SILT, trace fine Gravel, trace Roots					
5		SS-3	5-7	24	4	13 14 7 5	21	SS-3 : Medium dense, brown, fine to coarse SAND and SILT, trace fine Gravel	1			FILL	
		SS-4	7-9	24	4	8 6 12 21	18	SS-4 : Medium dense, brown/light brown, fine to coarse GRAVEL, some fine to coarse SAND, trace Silt					
10		SS-5	10-12	24	22	3 6 7 10	13	SS-5 : Top 2": Orange/brown, SILT and fine SAND Bottom 20": Light brown, fine to medium SAND, trace Silt			10		25.7
15		SS-6	15-17	24	21	9 16 18 21	34	SS-6 : Dense, light brown, fine to coarse SAND, trace fine Gravel, trace Silt				SAND	
20		SS-7	20-22	24	18	6 13 15 17	28	SS-7 : Medium dense, brown, fine to medium SAND, trace Silt					
		SS-8	22-24	24	24	10 22 21 22	43	SS-8 : Top 12": Brown, fine to medium SAND, trace Silt (Wet) Bottom 12": Brown, fine GRAVEL and fine to coarse SAND, trace Silt (Wet)			26		9.7
25												SAND AND GRAVEL	
30								End of exploration at 28 feet.	2		28		7.7



REMARKS

1 - Grinding on augers at approximately 5'-8'
2 - Monitoring well installed at 28'. 10' of 2" PVC, 10-slot PVC well screen set at approximately 28' below grade. Filter sand placed in annulus around well from 17'-28'. Bentonite seal from 15'-17' below grade. Auger spoils from 17' to ground surface

Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Exploration No.: GZ-17

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Ansonia Housing Authority
106-165 Olsen Drive
Ansonia, CT

EXPLORATION NO.: GZ-18
SHEET: 1 of 1
PROJECT NO: 05.0045516.00
REVIEWED BY: D.Barstow

Logged By: B. Gerardi
Drilling Co.: Hardiman Co. & Associates, Inc.
Foreman: A. Scaife

Type of Rig: Truck
Rig Model: B-50
Drilling Method: HSA

Boring Location: See Plan
Ground Surface Elev. (ft.): 36
Final Boring Depth (ft.): 17
Date Start - Finish: 1/13/2016 - 1/13/2016

H. Datum: Project
V. Datum: Project

Hammer Type: Cathead/Safety Hammer
Hammer Weight (lb.): 140 lbs
Hammer Fall (in.): 30"
Auger or Casing O.D./I.D Dia (in.): 3 1/4"

Sampler Type: Split Spoon
Sampler O.D. (in.): 2"
Sampler Length (in.): 30"
Rock Core Size: N/A

Groundwater Depth (ft.)

Date	Time	Water Depth	Stab. Time
1/12/16	0945	Dry	

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	Blows (per 6 in.)	SPT Value	Sample Description and Identification (Modified Burmister Procedure)	Remark	Field Test Data	Stratum Depth (ft.)	Stratum Description	Stratum Elev. (ft.)
		SS-1	0-2	24	3	5 6 7 11	13	SS-1 : Medium dense, brown, fine SAND, some Silt, trace fine Gravel					
		SS-2	2-4	16	4	9 100/4"	R	SS-2 : Brown, fine to coarse SAND, little fine Gravel, little Silt, trace Ash				FILL	
5		SS-3	5-7	24	12	4 9 6 5	15	SS-3 : Top 4": Light brown, fine to coarse SAND, little fine Gravel, trace Silt	1				
		SS-4	7-9	24	14	3 3 10 20	13	Bottom 8": Dark brown, fine SAND and SILT, trace fine Gravel, trace Roots, trace Wood SS-4 : Medium dense, brown, SILT and fine SAND, trace Roots			8		28.0
10		SS-5	10-12	24	12	5 12 11 16	23	SS-5 : Medium dense, light brown, fine to coarse SAND, trace fine Gravel, trace Silt				SAND AND GRAVEL	
15		SS-6	15-17	24	20	11 16 18 23	34	SS-6 : Dense, light brown/beige, fine to ocarse GRAVEL and fine to coarse SAND, trace Silt			17		19.0
								End of exploration at 17 feet.	2				
20													
25													
30													

REMARKS

1 - Inferred Cobble in tip of SS-2. Auger to 5'. Grinding throughout
2 - Boring backfilled with auger spols

See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Exploration No.: GZ-18

GZA TEMPLATE TEST BORING; 2/19/2016; 4:14:39 PM

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Ansonia Housing Authority
106-165 Olsen Drive
Ansonia, CT

EXPLORATION NO.: GZ-19
SHEET: 1 of 1
PROJECT NO: 05.0045516.00
REVIEWED BY: D.Barstow

Logged By: B. Gerardi
Drilling Co.: Hardiman Co. & Associates, Inc.
Foreman: A. Scaife

Type of Rig: Truck
Rig Model: B-50
Drilling Method: HSA

Boring Location: See Plan
Ground Surface Elev. (ft.): 32.3
Final Boring Depth (ft.): 27
Date Start - Finish: 1/13/2016 - 1/13/2016

H. Datum: Project
V. Datum: Project

Hammer Type: Cathead/Safety Hammer
Hammer Weight (lb.): 140 lbs
Hammer Fall (in.): 30"
Auger or Casing O.D./I.D Dia (in.): 3 1/4"

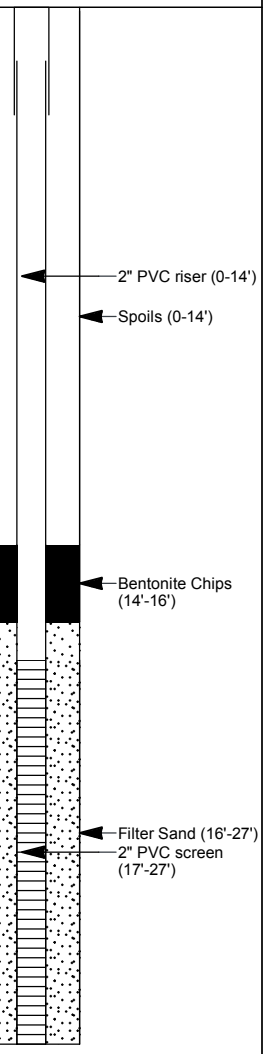
Sampler Type: Split Spoon
Sampler O.D. (in.): 2"
Sampler Length (in.): 30"
Rock Core Size: N/A

Groundwater Depth (ft.)

Date	Time	Water Depth	Stab. Time
1/13/16	1130	19.5'	10 min.

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	Blows per 6"	SPT Value	Sample Description Modified Burmister	Remark	Field Test Data
		SS-1	0-2	24	12	3 13 21 14	34	SS-1 : Top 6": Brown, SILT, little fine Sand, trace Roots Bottom 6: Dark brown, fine GRAVEL, some fine to medium Sand, little Silt, trace Cinders		
		SS-2	2-4	24	4	8 7 7 5	14	SS-2 : Medium dense, dark brown, fine to coarse SAND, little fine to coarse Gravel, little Silt		
5		SS-3	5-7	24	0	5 8 6 6	14	SS-3 : No Recovery		
		SS-4	7-9	24	2	5 2 1 1	3	SS-4 : Loose, dark brown, fine SAND, some Silt, trace Brick, trace Roots	1	
10		SS-5	10-12	24	7	8 13 15 15	28	SS-5 : Medium dense, brown, fine to coarse GRAVEL, little fine to coarse Sand, little Silt, trace Roots	2	
		SS-6	12-14	24	8	12 11 10 5	21	SS-6 : Medium dense, tan, fine to coarse SAND, little fine Gravel, trace Silt		
15		SS-7	15-17	24	16	6 5 15 30	20	SS-7 : Top 3": Grey, fine to coarse SAND, trace fine Gravel, trace Silt Middle 10": Light brown, fine to medium SAND, trace Silt Bottom 3": Dark brown, grey, fine to coarse GRAVEL, little fine Sand, trace Silt	3 4	
20		SS-8	20-22	24	10	13 20 15 10	35	SS-8 : Dense, brown, fine to coarse GRAVEL, little fine to coarse Sand, trace Silt (Wet)		
25		SS-9	25-27	24	10	10 10 10 12	20	SS-9 : Medium dense, brown, fine to coarse SAND, trace fine Gravel, trace Silt (Wet)		
30								End of exploration at 27 feet.	5	

Depth (ft.)	Stratum Description	Elev. (ft.)
0.5	TOPSOIL	31.8
12	FILL	20.3
16	SAND	16.3
27	SAND AND GRAVEL	5.3



REMARKS

1 - Grinding on augers at approximately 9'-10'
2 - Grinding on augers at approximately 11'-13'
3 - Grinding on augers at approximately 15'-20'
4 - Rounded cobbles observed auger spoils while drilling 15'-20'
5 - Monitoring well installed at 27'. 10' of 2" PVC, 10-slotted well screen set at approximately 27 ft. below grade. Filter Sand placed in annulus around well from 16'-27'. 2' of Bentonite at 14'-16'. Auger spoils backfilled from existing grade to 14'

Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Exploration No.: GZ-19

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Ansonia Housing Authority
106-165 Olsen Drive
Ansonia, CT

EXPLORATION NO.: GZ-20
SHEET: 1 of 1
PROJECT NO: 05.0045516.00
REVIEWED BY: D.Barstow

Logged By: B. Gerardi
Drilling Co.: Hardiman Co. & Associates, Inc.
Foreman: A. Scaife

Type of Rig: Truck
Rig Model: B-50
Drilling Method: HSA

Boring Location: See Plan
Ground Surface Elev. (ft.): 35.3
Final Boring Depth (ft.): 27
Date Start - Finish: 1/13/2016 - 1/13/2016

H. Datum: Project
V. Datum: Project

Hammer Type: Cathead/Safety Hammer
Hammer Weight (lb.): 140 lbs
Hammer Fall (in.): 30"
Auger or Casing O.D./I.D Dia (in.): 3 1/4"

Sampler Type: Split Spoon
Sampler O.D. (in.): 2"
Sampler Length (in.): 30"
Rock Core Size: N/A

Groundwater Depth (ft.)

Date	Time	Water Depth	Stab. Time
1/13/16	1515	23'	5 min.

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Sample Pen. (in)	Sample Rec. (in)	Sample Blows (per 6 in.)	SPT Value	Sample Description and Identification (Modified Burmister Procedure)	Remark	Field Test Data	Stratum Depth (ft.)	Stratum Description	Stratum Elev. (ft.)
		SS-1	0-2	24	20	5 7 8 13	15	SS-1 : Top 4": Brown, fine SAND and SILT, little Roots Bottom 16": Light brown/brown, fine to coarse SAND, little Silt, trace fine Gravel			0.3	TOPSOIL	35.0
		SS-2	2-4	24	16	15 30 55 30	85	SS-2 : Top 4": Tan, fine SAND, little Silt (Fill) Bottom 12": Brown, fine to coarse SAND, some fine Gravel, little Silt, trace Ash/Coal	1				
5		SS-3	5-7	24	15	15 13 8 5	21	SS-3 : Medium dense, dark brown, black, ASPHALT some fine to coarse Gravel, little Silt, little fine to medium Sand	2				
		SS-4	7-9	24	4	15 32 19 11	51	SS-4 : Very dense, brown, fine to coarse SAND, little fine Gravel, trace Asphalt, trace Silt				FILL	
10		SS-5	10-12	24	5	2 4 3 3	7	SS-5 : Loose, brown, fine to coarse SAND, little Silt, trace fine Gravel					
		SS-6	12-14	24	0	3 3 3 3	6	SS-6 : No Recovery					
15		SS-7	15-17	24	14	3 4 6 7	10	SS-7 : Medium dense, beige, fine to coarse SAND, trace fine Gravel, trace Silt			15		20.3
20		SS-8	20-22	24	24	5 7 10 11	17	SS-8 : Medium dense, light brown, fine SAND, some Silt				SAND	
25		SS-9	25-27	24	24	5 8 11 15	19	SS-9 : Medium dense, fine to medium SAND, trace Silt (Wet)			27		8.3
30								End of exploration at 27 feet.	3				

REMARKS

1 - Grinding on augers from 3'-5'
2 - Grinding on augers from 6'-9'
3 - Boring backfilled with auger spoils

See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Exploration No.: GZ-20

GZA TEMPLATE TEST BORING; 2/19/2016; 4:14:40 PM

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Ansonia Housing Authority
106-165 Olsen Drive
Ansonia, CT

EXPLORATION NO.: GZ-21
SHEET: 1 of 1
PROJECT NO: 05.0045516.00
REVIEWED BY: D.Barstow

Logged By: B.Gerardi
Drilling Co.: Hardiman Co. & Associates, Inc.
Foreman: A. Scaife

Type of Rig: Geoprobe
Rig Model: 7822 DT
Drilling Method: HSA

Boring Location: See Plan
Ground Surface Elev. (ft.): 35.7
Final Boring Depth (ft.): 29
Date Start - Finish: 1/14/2016 - 1/15/2016

H. Datum: Project
V. Datum: Project

Hammer Type: Automatic
Hammer Weight (lb.): 140 lbs
Hammer Fall (in.): 30"
Auger or Casing O.D./I.D Dia (in.): 2 1/4"

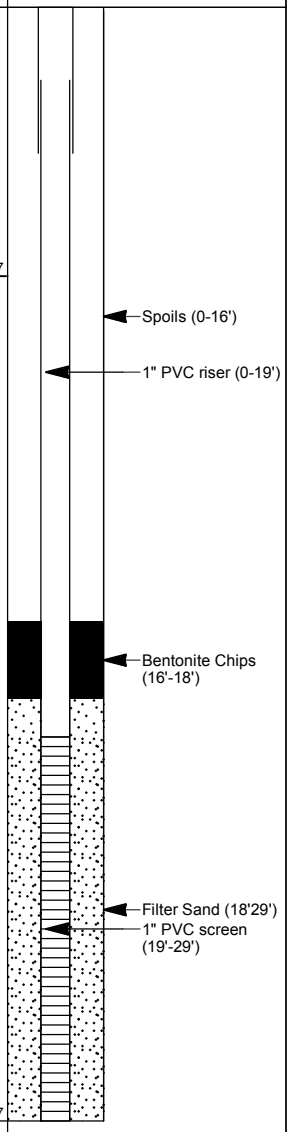
Sampler Type: Split Spoon
Sampler O.D. (in.): 2"
Sampler Length (in.): 30"
Rock Core Size: N/A

Groundwater Depth (ft.)

Date	Time	Water Depth	Stab. Time
1/15/16	0830	23'	10 min.

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	Blows per 6"	SPT Value	Sample Description Modified Burmister	Remark	Field Test Data
		SS-1	0-2	24	18	3 9 11 17	20	SS-1 : Medium dense, brown, fine to coarse SAND and SILT, some fine Gravel, trace Roots		
		SS-2	2-4	24	20	12 17 12 8	29	SS-2 : Top 4": Dark brown, fine to medium SAND, some Silt, trace fine Gravel, trace Brick, trace Ash Bottom 16": Light brown, fine SAND, little Silt		
5		SS-3	5-7	24	16	12 6 5 4	11	SS-3 : Top 10": Dark brown, black, fine GRAVEL, little fine to coarse Sand, little Silt		
		SS-4	7-9	24	14	5 12 8 5	20	Bottom 6": Light brown, fine to coarse SAND, little Silt SS-4 : Medium dense, orange, beige, fine to medium SAND, little Silt	1	
10		SS-5	10-11	24	18	5 14 100/2"		SS-5 : Top 9": Orange, brown, fine to medium SAND, little Silt Bottom 9": Fine to coarse SAND, trace fine Gravel, trace Silt	2	
15		SS-6	15-17	24	18	8 8 11 10	19	SS-6 : Medium dense, orange, light brown, fine to coarse SAND, trace fine Gravel, trace Silt		
20		SS-7	20-22	24	14	6 13 12 13	25	SS-7 : Medium dense, orange, light brown, fine to coarse SAND, trace fine Gravel, trace Silt		
25										
30								End of exploration at 29 feet.	3	

Depth (ft.)	Stratum Description	Elev. (ft.)
0	FILL	
7		28.7
7	SAND	
29		6.7



REMARKS

1 - Possible boulder at approximately 11 ft.
2 - Grinding from approximatley 11.5 ft. to 15 ft.
3 - Monitoring well installed at 29 ft. below existing grade. 10' of 1" PVC, 10-slotted well screen set at approximately 29' below grade. Filter sand placed in annulus around well from 18'-29'. Bentonite seal from 16'-18' below grade. Auger spoils backfilled from 16' to existing grade.

Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Exploration No.: GZ-21

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Ansonia Housing Authority
106-165 Olsen Drive
Ansonia, CT

EXPLORATION NO.: GZ-22
SHEET: 1 of 1
PROJECT NO: 05.0045516.00
REVIEWED BY: D.Barstow

Logged By: B.Gerardi
Drilling Co.: Hardiman Co. & Associates, Inc.
Foreman: A. Scaife

Type of Rig: Geoprobe
Rig Model: 7822 DT
Drilling Method: HSA

Boring Location: See Plan
Ground Surface Elev. (ft.): 37.3
Final Boring Depth (ft.): 20
Date Start - Finish: 1/14/2016 - 1/14/2016

H. Datum: Project
V. Datum: Project

Hammer Type: Automatic
Hammer Weight (lb.): 140 lbs
Hammer Fall (in.): 30"
Auger or Casing O.D./I.D Dia (in.): 2 1/4"

Sampler Type: Split Spoon
Sampler O.D. (in.): 2"
Sampler Length (in.): 30"
Rock Core Size: N/A

Groundwater Depth (ft.)

Date	Time	Water Depth	Stab. Time
1/14/16	1115	Dry	

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Sample Pen. (in)	Sample Rec. (in)	Sample Blows (per 6 in.)	SPT Value	Sample Description and Identification (Modified Burmister Procedure)	Remark	Field Test Data	Stratum Depth (ft.)	Stratum Description	Stratum Elev. (ft.)
		SS-1	0-2	24	16	4 1 4 5	5	SS-1 : Top 8": Dark brown, SILT, some fine Sand Bottom 8": Tan, light brown, fine to medium SAND, little Silt			0.5	TOPSOIL	36.8
		SS-2	2-4	24	14	4 5 13 11	18	SS-2 : Medium dense, dark brown, black, fine to coarse GRAVEL, some fine to coarse Sand, little Silt	1				
5		SS-3	5-7	24	15	9 5 4 3	9	SS-3 : Loose, dark brown fine to coarse GRAVEL, some fine to coarse Sand, little Silt, trace Asphalt, trace Ash				FILL	
		SS-4	7-9	24	15	2 3 7 6	10	SS-4 : Top 7": Dark brown, SILT, little fine SAND Bottom 8": Light brown, fine GRAVEL and fine to coarse SAND, trace Silt					
10		SS-5	10-12	24	8	2 2 2 3	4	SS-5 : Top 7": Brown, fine to medium SAND, little Silt, little fine Gravel Bottom 1": Light brown, fine SAND, trace Silt					
		SS-6	12-14	24	20	3 4 5 4	9	SS-6 : Top 8": Brown, orange, fine SAND, some Silt (Topsoil) Bottom 12": Light brown, fine to coarse SAND, trace Silt			13	SAND	24.3
15		SS-7	15-17	24	22	9 25 14 23	39	SS-7 : Dense, brown, fine to coarse SAND, some fine Gravel, trace Silt	2 3		15	SAND AND GRAVEL	22.3
20		SS-8	20-20	0	0	50/0"	R	SS-8 : No Penetration End of exploration at 20 feet.	4 5		20		17.3
25													
30													

REMARKS

1 - Grinding on auger from approximately 3 ft. to 7 ft.
2 - Grinding on auger from approximately 15 ft. to 19 ft.
3 - Stratfied sands and gravel in SS-7
4 - Auger refusal at 20 ft.
5 - Boring backfilled with auger spoils

See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Exploration No.: GZ-22

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Ansonia Housing Authority
106-165 Olsen Drive
Ansonia, CT

EXPLORATION NO.: GZ-23
SHEET: 1 of 1
PROJECT NO: 05.0045516.00
REVIEWED BY: D.Barstow

Logged By: B.Gerardi
Drilling Co.: Hardiman Co. & Associates, Inc.
Foreman: A. Scaife

Type of Rig: Geoprobe
Rig Model: 7822 DT
Drilling Method: HSA

Boring Location: See Plan
Ground Surface Elev. (ft.): 34.5
Final Boring Depth (ft.): 22
Date Start - Finish: 1/14/2016 - 1/14/2016

H. Datum: Project
V. Datum: Project

Hammer Type: Automatic
Hammer Weight (lb.): 140 lbs
Hammer Fall (in.): 30"
Auger or Casing O.D./I.D Dia (in.): 2 1/4"

Sampler Type: Split Spoon
Sampler O.D. (in.): 2"
Sampler Length (in.): 30"
Rock Core Size: N/A

Groundwater Depth (ft.)

Date	Time	Water Depth	Stab. Time
1/14/16		Dry	5 min.

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Sample Pen. (in)	Sample Rec. (in)	Sample Blows (per 6 in.)	SPT Value	Sample Description and Identification (Modified Burmister Procedure)	Remark	Field Test Data	Stratum Depth (ft.)	Stratum Description	Stratum Elev. (ft.)
		SS-1	0-2	24	10	11 6 13 16	19	SS-1 : Medium dense, brown, fine to coarse SAND, little fine Gravel, little Silt, trace Brick, trace Glass					
		SS-2	2-4	24	8	14 17 13 17	30	SS-2 : Dense, brown, fine to coarse GRAVEL, some fine to coarse SAND, little Silt, little Brick, trace Asphalt	1				
5		SS-3	5-7	24	22	13 14 14 11	28	SS-3 : Medium dense, brown, red, BRICK and fine to coarse GRAVEL, some fine to coarse Sand, little Silt, trace Ash	2				
		SS-4	7-9	24	16	7 12 28 21	40	SS-4 : Top 14": Fine to coarse SAND, some Brick, little Silt, trace Coal, trace Cinders Bottom 2": Light brown, fine to medium SAND, little Silt				FILL	
10		SS-5	10-12	24	24	43 33 18 13	51	SS-5 : Very dense, dark brown, red, fine to coarse GRAVEL, some fine to coarse Sand, little Brick, little Silt	3				
15		SS-6	15-17	24	24	3 3 12 17	15	SS-6 : Top 12": Dark Brown, fine SAND and SILT, trace Concrete Bottom 12": Light brown, fine to coarse SAND, little fine to coarse Gravel, trace Silt	4		16		18.5
20		SS-7	20-22	24	10	3 9 8 6	17	SS-7 : Medium dense, light brown, fine to coarse SAND, trace fine Gravel, trace Silt				SAND AND GRAVEL	
								End of exploration at 22 feet.	5		22		12.5
25													
30													

REMARKS

1 - Grinding on auger from approximately 2 ft. to 4 ft.
2 - Grinding on auger from approximately 5 ft. to 10 ft.
3 - Grinding on auger from approximately 10 ft. to 12 ft.
4 - SS-5 appeared bent, drilled to 15 ft. for SS-6
5 - Boring backfilled with auger spoils

See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Exploration No.: GZ-23

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Ansonia Housing Authority
106-165 Olsen Drive
Ansonia, CT

EXPLORATION NO.: GZ-24
SHEET: 1 of 1
PROJECT NO: 05.0045516.00
REVIEWED BY: D.Barstow

Logged By: B.Gerardi
Drilling Co.: Hardiman Co. & Associates, Inc.
Foreman: A. Scaife

Type of Rig: Geoprobe
Rig Model: 7822 DT
Drilling Method: HSA

Boring Location: See Plan
Ground Surface Elev. (ft.): 34
Final Boring Depth (ft.): 29
Date Start - Finish: 1/14/2016 - 1/15/2016

H. Datum: Project
V. Datum: Project

Hammer Type: Automatic
Hammer Weight (lb.): 140 lbs
Hammer Fall (in.): 30"
Auger or Casing O.D./I.D Dia (in.): 2 1/4"

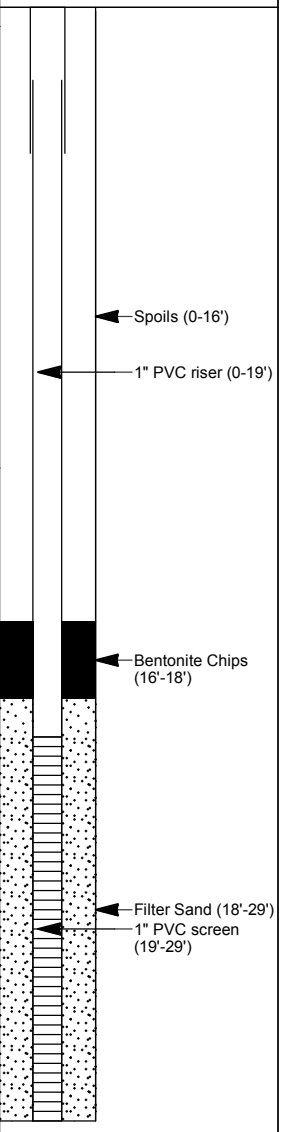
Sampler Type: Split Spoon
Sampler O.D. (in.): 2"
Sampler Length (in.): 30"
Rock Core Size: N/A

Groundwater Depth (ft.)

Date	Time	Water Depth	Stab. Time
1/14/16	1515	21.5'	5 min.

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	Blows per 6"	SPT Value	Sample Description Modified Burmister	Remark	Field Test Data
		SS-1	0-2	24	4	2 4 4 10	8	SS-1 : Loose, brown, SILT, little fine Sand, trace Roots (Topsoil)		
		SS-2	2-4	24	10	12 13 9 7	22	SS-2 : Top 5": Fine to coarse Gravel, little fine to coarse Sand, trace Silt	1	
5		SS-3	5-7	24	20	2 4 7 2	11	Bottom 5": Beige, fine SAND, trace fine Gravel, trace Silt SS-3 : Top 15": Light brown, fine to coarse SAND, little fine Gravel, little Silt	2	
		SS-4	7-9	24	10	2 3 2 2	5	Bottom 5": Black, dark brown, fine to medium SAND, some Silt, trace fine Gravel, trace Brick, trace Ash		
10		SS-5	10-12	24	7	3 3 4 7	7	SS-4 : Loose, black/dark brown, fine SAND and SILT, little Cinders/Ash		
		SS-6	12-14	24	8	9 6 7 7	13	SS-5 : Loose, brown, fine to coarse SAND, some Silt		
15		SS-7	15-17	24	12	8 9 7 3	16	SS-6 : Top 6": Light brown, fine to coarse SAND, trace fine Gravel, trace Silt Bottom 2": Brown, fine SAND, little fine Gravel, trace Silt		
20		SS-8	20-22	24	14	3 23 40 19	63	SS-7 : Medium dense, beige/light brown, fine to coarse SAND, little fine Gravel, trace Silt SS-8 : Very dense, light brown/beige, fine to coarse GRAVEL and fine to coarse SAND, trace Silt		
25										
30								End of exploration at 29 feet.	3	

Depth (ft.)	Stratum Description	Elev. (ft.)
0.5	TOPSOIL	33.5
12	FILL	22.0
20.5	SAND	13.5
29	SAND AND GRAVEL	5.0



REMARKS

1 - Grinding on augers at approximately 3'-4'
2 - Grinding on augers at approximately 5'-6'
3 - Monitoring well installed at 29' below grade. 10' of 1" PVC, 10-slotted well screen set at approximately 29' below grade. Filter sand placed in annulus around well from 18'-29'. Bentonite seal from 16'-18' below grade. Auger spoils backfilled from 18' to existing grade.

Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Exploration No.: GZ-24

ATTACHMENT D

LABORATORY ANALYSIS/
CHAIN OF CUSTODY DOCUMENTATION

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Analytical Report

CET# 6010276

Report Date:January 25, 2016
Project: Riverside Apts, Ansonia
Project Number: 15.127/001

Connecticut Laboratory Certificate: PH 0116
Massachusetts laboratory Certificate: M-CT903

New York Certification: 11982
Rhode Island Certification: 199

SAMPLE SUMMARY

The sample(s) were received at 2.0°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
B-14 (0-2)	6010276-01	Soil	1/06/2016 9:30	01/18/2016
B-14 (7-9)	6010276-02	Soil	1/06/2016 9:55	01/18/2016
B-15 (2.5-4.5)	6010276-03	Soil	1/12/2016 8:45	01/18/2016
B-15 (5-7)	6010276-04	Soil	1/12/2016 9:00	01/18/2016
B-16 (0-2)	6010276-05	Soil	1/13/2016 14:00	01/18/2016
B-16 (5-7)	6010276-06	Soil	1/13/2016 14:20	01/18/2016
B-17 (2-4)	6010276-07	Soil	1/12/2016 13:30	01/18/2016
B-17 (5-7)	6010276-08	Soil	1/12/2016 14:00	01/18/2016
B-18 (0-2)	6010276-09	Soil	1/13/2016 8:30	01/18/2016
B-18 (5-7)	6010276-10	Soil	1/13/2016 8:40	01/18/2016
B-19 (0-2)	6010276-11	Soil	1/13/2016 10:15	01/18/2016
B-21 (0-2)	6010276-12	Soil	1/14/2016 8:00	01/18/2016
B-21 (5-7)	6010276-13	Soil	1/14/2016 8:15	01/18/2016
B-22 (0-2)	6010276-14	Soil	1/14/2016 9:45	01/18/2016
B-22 (5-7)	6010276-15	Soil	1/14/2016 10:05	01/18/2016
B-23 (0-2)	6010276-16	Soil	1/14/2016 11:35	01/18/2016
B-23 (5-7)	6010276-17	Soil	1/14/2016 12:00	01/18/2016
B-24 (0-2)	6010276-18	Soil	1/14/2016 14:00	01/18/2016
B-24 (5-7)	6010276-19	Soil	1/14/2016 14:20	01/18/2016

CET # : 6010276
Project: Riverside Apts, Ansonia
Project Number: 15.127/001

Analyte: Total Solids [EPA 160.3 modified]

Analyst: JZ

Matrix: Soil

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
6010276-01	B-14 (0-2)	**90**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	
6010276-02	B-14 (7-9)	**85**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	
6010276-03	B-15 (2.5-4.5)	**94**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	
6010276-04	B-15 (5-7)	**83**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	
6010276-05	B-16 (0-2)	**90**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	
6010276-06	B-16 (5-7)	**93**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	
6010276-07	B-17 (2-4)	**85**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	
6010276-08	B-17 (5-7)	**90**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	
6010276-09	B-18 (0-2)	**84**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	
6010276-10	B-18 (5-7)	**85**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	
6010276-11	B-19 (0-2)	**89**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	
6010276-12	B-21 (0-2)	**87**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	
6010276-13	B-21 (5-7)	**91**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	
6010276-14	B-22 (0-2)	**88**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	
6010276-15	B-22 (5-7)	**94**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	
6010276-16	B-23 (0-2)	**93**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	
6010276-17	B-23 (5-7)	**94**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	
6010276-18	B-24 (0-2)	**88**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	
6010276-19	B-24 (5-7)	**92**	1.0	%	1	B6A1907	01/19/2016	01/19/2016 13:50	

Analyte: Mercury [EPA 7471B]

Analyst: KP

Matrix: Soil

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
6010276-01	B-14 (0-2)	ND	0.22	mg/kg dry	1	B6A2013	01/20/2016	01/20/2016 14:59	
6010276-02	B-14 (7-9)	ND	0.24	mg/kg dry	1	B6A2013	01/20/2016	01/20/2016 15:02	
6010276-03	B-15 (2.5-4.5)	**0.32**	0.21	mg/kg dry	1	B6A2013	01/20/2016	01/20/2016 15:05	
6010276-04	B-15 (5-7)	ND	0.24	mg/kg dry	1	B6A2013	01/20/2016	01/20/2016 15:08	
6010276-05	B-16 (0-2)	ND	0.22	mg/kg dry	1	B6A2013	01/20/2016	01/20/2016 15:47	
6010276-06	B-16 (5-7)	ND	0.21	mg/kg dry	1	B6A2013	01/20/2016	01/20/2016 15:50	
6010276-07	B-17 (2-4)	**0.45**	0.24	mg/kg dry	1	B6A2013	01/20/2016	01/20/2016 16:02	
6010276-08	B-17 (5-7)	ND	0.22	mg/kg dry	1	B6A2013	01/20/2016	01/20/2016 16:05	
6010276-09	B-18 (0-2)	ND	0.24	mg/kg dry	1	B6A2103	01/21/2016	01/21/2016 12:58	
6010276-10	B-18 (5-7)	ND	0.23	mg/kg dry	1	B6A2103	01/21/2016	01/21/2016 13:01	
6010276-11	B-19 (0-2)	**0.25**	0.22	mg/kg dry	1	B6A2103	01/21/2016	01/21/2016 13:03	
6010276-12	B-21 (0-2)	ND	0.23	mg/kg dry	1	B6A2103	01/21/2016	01/21/2016 13:06	
6010276-13	B-21 (5-7)	ND	0.22	mg/kg dry	1	B6A2103	01/21/2016	01/21/2016 13:09	
6010276-14	B-22 (0-2)	ND	0.23	mg/kg dry	1	B6A2103	01/21/2016	01/21/2016 13:12	
6010276-15	B-22 (5-7)	**0.97**	0.21	mg/kg dry	1	B6A2103	01/21/2016	01/21/2016 13:15	
6010276-16	B-23 (0-2)	ND	0.22	mg/kg dry	1	B6A2103	01/21/2016	01/21/2016 13:18	
6010276-17	B-23 (5-7)	ND	0.21	mg/kg dry	1	B6A2103	01/21/2016	01/21/2016 13:21	
6010276-18	B-24 (0-2)	**0.47**	0.23	mg/kg dry	1	B6A2103	01/21/2016	01/21/2016 13:23	
6010276-19	B-24 (5-7)	ND	0.22	mg/kg dry	1	B6A2103	01/21/2016	01/21/2016 13:29	

Client Sample ID B-14 (0-2)

Lab ID: 6010276-01

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**74**	2.2	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:21	
Selenium	**3.4**	1.1	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:21	
Cadmium	**0.59**	0.56	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:21	
Chromium	**10**	2.2	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:21	
Arsenic	**3.0**	1.1	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:21	
Barium	**44**	2.2	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:21	
Silver	ND	2.2	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:21	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 14:33	
2-Methyl Naphthalene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 14:33	
Acenaphthylene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 14:33	
Acenaphthene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 14:33	
Fluorene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 14:33	
Phenanthrene	**1600**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 14:33	
Anthracene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 14:33	
Fluoranthene	**5700**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 14:33	
Pyrene	**4700**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 14:33	
Benzo[a]anthracene	**2500**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 14:33	
Chrysene	**3200**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 14:33	
Benzo[b]fluoranthene	**4000**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 14:33	
Benzo[k]fluoranthene	**1900**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 14:33	
Benzo[a]pyrene	**3300**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 14:33	
Indeno[1,2,3-cd]pyrene	**1700**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 14:33	
Dibenz[a,h]anthracene	**500**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 14:33	
Benzo[g,h,i]perylene	**1700**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 14:33	
Surrogate: Nitrobenzene-d5	*62.9 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 14:33*	

Client Sample ID B-14 (0-2)

Lab ID: 6010276-01

Semivolatile Organics

Method: EPA 8270D

Analyst: ALB

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*69.4 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 14:33*	
Surrogate: Terphenyl-d14	*71.0 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 14:33*	

Client Sample ID B-14 (7-9)

Lab ID: 6010276-02

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**30**	2.4	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:25	
Selenium	**5.1**	1.2	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:25	
Cadmium	ND	0.59	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:25	
Chromium	**18**	2.4	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:25	
Arsenic	**2.3**	1.2	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:25	
Barium	**43**	2.4	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:25	
Silver	ND	2.4	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:25	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 15:20	
2-Methyl Naphthalene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 15:20	
Acenaphthylene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 15:20	
Acenaphthene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 15:20	
Fluorene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 15:20	
Phenanthrene	**1200**	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 15:20	
Anthracene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 15:20	
Fluoranthene	**2300**	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 15:20	
Pyrene	**2000**	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 15:20	
Benzo[a]anthracene	**950**	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 15:20	
Chrysene	**1000**	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 15:20	
Benzo[b]fluoranthene	**1300**	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 15:20	
Benzo[k]fluoranthene	**620**	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 15:20	
Benzo[a]pyrene	**1100**	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 15:20	
Indeno[1,2,3-cd]pyrene	**620**	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 15:20	
Dibenz[a,h]anthracene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 15:20	
Benzo[g,h,i]perylene	**590**	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 15:20	
Surrogate: Nitrobenzene-d5	*62.7 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 15:20*	

Client Sample ID B-14 (7-9)

Lab ID: 6010276-02

Semivolatile Organics

Method: EPA 8270D

Analyst: ALB

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*70.1 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 15:20*	
Surrogate: Terphenyl-d14	*66.0 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 15:20*	

Client Sample ID B-15 (2.5-4.5)

Lab ID: 6010276-03

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**230**	2.1	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:30	
Selenium	**5.7**	1.1	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:30	
Cadmium	**1.3**	0.53	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:30	
Chromium	**21**	2.1	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:30	
Arsenic	**5.1**	1.1	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:30	
Barium	**110**	2.1	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:30	
Silver	**10**	2.1	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:30	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:08	
2-Methyl Naphthalene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:08	
Acenaphthylene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:08	
Acenaphthene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:08	
Fluorene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:08	
Phenanthrene	**540**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:08	
Anthracene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:08	
Fluoranthene	**1200**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:08	
Pyrene	**1200**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:08	
Benzo[a]anthracene	**880**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:08	
Chrysene	**890**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:08	
Benzo[b]fluoranthene	**1000**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:08	
Benzo[k]fluoranthene	**430**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:08	
Benzo[a]pyrene	**1200**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:08	
Indeno[1,2,3-cd]pyrene	**640**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:08	
Dibenz[a,h]anthracene	**330**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:08	
Benzo[g,h,i]perylene	**780**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:08	
Surrogate: Nitrobenzene-d5	*66.3 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 16:08*	

Client Sample ID B-15 (2.5-4.5)

Lab ID: 6010276-03

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*74.1 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 16:08*	
Surrogate: Terphenyl-d14	*69.1 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 16:08*	

Client Sample ID B-15 (5-7)

Lab ID: 6010276-04

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**15**	2.4	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:42	
Selenium	**6.4**	1.2	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:42	
Cadmium	ND	0.60	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:42	
Chromium	**16**	2.4	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:42	
Arsenic	**4.2**	1.2	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:42	
Barium	**40**	2.4	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:42	
Silver	ND	2.4	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:42	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:56	
2-Methyl Naphthalene	ND	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:56	
Acenaphthylene	ND	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:56	
Acenaphthene	ND	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:56	
Fluorene	ND	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:56	
Phenanthrene	ND	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:56	
Anthracene	ND	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:56	
Fluoranthene	ND	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:56	
Pyrene	ND	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:56	
Benzo[a]anthracene	ND	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:56	
Chrysene	ND	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:56	
Benzo[b]fluoranthene	ND	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:56	
Benzo[k]fluoranthene	ND	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:56	
Benzo[a]pyrene	ND	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:56	
Indeno[1,2,3-cd]pyrene	ND	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:56	
Dibenz[a,h]anthracene	ND	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:56	
Benzo[g,h,i]perylene	ND	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 16:56	
Surrogate: Nitrobenzene-d5	*59.5 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 16:56*	

Client Sample ID B-15 (5-7)

Lab ID: 6010276-04

Semivolatile Organics

Analyst: ALB

Method: EPA 8270D

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*64.5 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 16:56*	
Surrogate: Terphenyl-d14	*61.5 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 16:56*	

Client Sample ID B-16 (0-2)

Lab ID: 6010276-05

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**69**	2.2	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:47	
Selenium	**3.0**	1.1	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:47	
Cadmium	ND	0.56	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:47	
Chromium	**11**	2.2	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:47	
Arsenic	**3.2**	1.1	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:47	
Barium	**38**	2.2	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:47	
Silver	ND	2.2	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:47	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 17:44	
2-Methyl Naphthalene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 17:44	
Acenaphthylene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 17:44	
Acenaphthene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 17:44	
Fluorene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 17:44	
Phenanthrene	**460**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 17:44	
Anthracene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 17:44	
Fluoranthene	**1200**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 17:44	
Pyrene	**1100**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 17:44	
Benzo[a]anthracene	**610**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 17:44	
Chrysene	**640**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 17:44	
Benzo[b]fluoranthene	**760**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 17:44	
Benzo[k]fluoranthene	**360**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 17:44	
Benzo[a]pyrene	**680**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 17:44	
Indeno[1,2,3-cd]pyrene	**360**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 17:44	
Dibenz[a,h]anthracene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 17:44	
Benzo[g,h,i]perylene	**340**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 17:44	
Surrogate: Nitrobenzene-d5	*61.7 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 17:44*	

Client Sample ID B-16 (0-2)

Lab ID: 6010276-05

Semivolatile Organics

Method: EPA 8270D

Analyst: ALB

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*67.9 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 17:44*	
Surrogate: Terphenyl-d14	*64.3 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 17:44*	

Client Sample ID B-16 (5-7)

Lab ID: 6010276-06

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**37**	2.1	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:51	
Selenium	**3.7**	1.1	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:51	
Cadmium	ND	0.54	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:51	
Chromium	**13**	2.1	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:51	
Arsenic	**4.9**	1.1	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:51	
Barium	**40**	2.1	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:51	
Silver	ND	2.1	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:51	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 18:32	
2-Methyl Naphthalene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 18:32	
Acenaphthylene	**400**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 18:32	
Acenaphthene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 18:32	
Fluorene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 18:32	
Phenanthrene	**610**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 18:32	
Anthracene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 18:32	
Fluoranthene	**1200**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 18:32	
Pyrene	**1300**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 18:32	
Benzo[a]anthracene	**760**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 18:32	
Chrysene	**800**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 18:32	
Benzo[b]fluoranthene	**1200**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 18:32	
Benzo[k]fluoranthene	**510**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 18:32	
Benzo[a]pyrene	**1000**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 18:32	
Indeno[1,2,3-cd]pyrene	**410**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 18:32	
Dibenz[a,h]anthracene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 18:32	
Benzo[g,h,i]perylene	**460**	320	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 18:32	
Surrogate: Nitrobenzene-d5	*59.4 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 18:32*	

Client Sample ID B-16 (5-7)

Lab ID: 6010276-06

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*65.2 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 18:32*	
Surrogate: Terphenyl-d14	*69.9 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 18:32*	

Client Sample ID B-17 (2-4)

Lab ID: 6010276-07

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**98**	2.4	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:55	
Selenium	**3.9**	1.2	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:55	
Cadmium	**0.61**	0.59	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:55	
Chromium	**13**	2.4	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:55	
Arsenic	**3.7**	1.2	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:55	
Barium	**51**	2.4	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:55	
Silver	ND	2.4	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:55	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 19:19	
2-Methyl Naphthalene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 19:19	
Acenaphthylene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 19:19	
Acenaphthene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 19:19	
Fluorene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 19:19	
Phenanthrene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 19:19	
Anthracene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 19:19	
Fluoranthene	**750**	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 19:19	
Pyrene	**700**	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 19:19	
Benzo[a]anthracene	**470**	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 19:19	
Chrysene	**450**	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 19:19	
Benzo[b]fluoranthene	**670**	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 19:19	
Benzo[k]fluoranthene	**350**	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 19:19	
Benzo[a]pyrene	**570**	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 19:19	
Indeno[1,2,3-cd]pyrene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 19:19	
Dibenz[a,h]anthracene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 19:19	
Benzo[g,h,i]perylene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 19:19	
Surrogate: Nitrobenzene-d5	*57.7 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 19:19*	

Client Sample ID B-17 (2-4)

Lab ID: 6010276-07

Semivolatile Organics

Method: EPA 8270D

Analyst: ALB

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*73.0 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 19:19*	
Surrogate: Terphenyl-d14	*73.2 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 19:19*	

Client Sample ID B-17 (5-7)

Lab ID: 6010276-08

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**39**	2.2	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:59	
Selenium	**4.6**	1.1	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:59	
Cadmium	ND	0.56	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:59	
Chromium	**17**	2.2	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:59	
Arsenic	**6.1**	1.1	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:59	
Barium	**37**	2.2	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:59	
Silver	ND	2.2	1	EPA 3050B	B6A2107	01/21/2016	01/21/2016 19:59	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:07	
2-Methyl Naphthalene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:07	
Acenaphthylene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:07	
Acenaphthene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:07	
Fluorene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:07	
Phenanthrene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:07	
Anthracene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:07	
Fluoranthene	**600**	330	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:07	
Pyrene	**540**	330	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:07	
Benzo[a]anthracene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:07	
Chrysene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:07	
Benzo[b]fluoranthene	**400**	330	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:07	
Benzo[k]fluoranthene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:07	
Benzo[a]pyrene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:07	
Indeno[1,2,3-cd]pyrene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:07	
Dibenz[a,h]anthracene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:07	
Benzo[g,h,i]perylene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:07	
Surrogate: Nitrobenzene-d5	*58.8 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 20:07*	

Client Sample ID B-17 (5-7)

Lab ID: 6010276-08

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*67.4 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 20:07*	
Surrogate: Terphenyl-d14	*66.0 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 20:07*	

Client Sample ID B-18 (0-2)

Lab ID: 6010276-09

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**69**	2.4	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 17:52	
Selenium	**3.3**	1.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 17:52	
Cadmium	ND	0.59	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 17:52	
Chromium	**9.4**	2.4	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 17:52	
Arsenic	**4.3**	1.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 17:52	
Barium	**37**	2.4	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 17:52	
Silver	ND	2.4	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 17:52	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	**400**	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:55	
2-Methyl Naphthalene	ND	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:55	
Acenaphthylene	**540**	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:55	
Acenaphthene	**470**	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:55	
Fluorene	**620**	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:55	
Phenanthrene	**6600**	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:55	
Anthracene	**1700**	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:55	
Fluoranthene	**7900**	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:55	
Pyrene	**6700**	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:55	
Benzo[a]anthracene	**3500**	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:55	
Chrysene	**3300**	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:55	
Benzo[b]fluoranthene	**4300**	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:55	
Benzo[k]fluoranthene	**2000**	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:55	
Benzo[a]pyrene	**3700**	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:55	
Indeno[1,2,3-cd]pyrene	**1500**	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:55	
Dibenz[a,h]anthracene	**370**	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:55	
Benzo[g,h,i]perylene	**1300**	360	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 20:55	
Surrogate: Nitrobenzene-d5	*57.5 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 20:55*	

Client Sample ID B-18 (0-2)

Lab ID: 6010276-09

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*63.0 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 20:55*	
Surrogate: Terphenyl-d14	*72.6 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 20:55*	

Client Sample ID B-18 (5-7)

Lab ID: 6010276-10

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**9.9**	2.3	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 17:56	
Selenium	**3.3**	1.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 17:56	
Cadmium	ND	0.59	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 17:56	
Chromium	**8.3**	2.3	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 17:56	
Arsenic	**3.1**	1.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 17:56	
Barium	**26**	2.3	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 17:56	
Silver	ND	2.3	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 17:56	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 22:51	
2-Methyl Naphthalene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 22:51	
Acenaphthylene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 22:51	
Acenaphthene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 22:51	
Fluorene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 22:51	
Phenanthrene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 22:51	
Anthracene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 22:51	
Fluoranthene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 22:51	
Pyrene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 22:51	
Benzo[a]anthracene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 22:51	
Chrysene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 22:51	
Benzo[b]fluoranthene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 22:51	
Benzo[k]fluoranthene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 22:51	
Benzo[a]pyrene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 22:51	
Indeno[1,2,3-cd]pyrene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 22:51	
Dibenz[a,h]anthracene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 22:51	
Benzo[g,h,i]perylene	ND	350	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 22:51	
Surrogate: Nitrobenzene-d5	*58.1 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 22:51*	

Client Sample ID B-18 (5-7)

Lab ID: 6010276-10

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*70.5 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 22:51*	
Surrogate: Terphenyl-d14	*71.1 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 22:51*	

Client Sample ID B-19 (0-2)

Lab ID: 6010276-11

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**150**	2.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:00	
Selenium	**3.3**	1.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:00	
Cadmium	**1.2**	0.56	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:00	
Chromium	**19**	2.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:00	
Arsenic	**3.3**	1.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:00	
Barium	**72**	2.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:00	
Silver	ND	2.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:00	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 23:39	
2-Methyl Naphthalene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 23:39	
Acenaphthylene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 23:39	
Acenaphthene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 23:39	
Fluorene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 23:39	
Phenanthrene	**2500**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 23:39	
Anthracene	**580**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 23:39	
Fluoranthene	**3600**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 23:39	
Pyrene	**3200**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 23:39	
Benzo[a]anthracene	**1600**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 23:39	
Chrysene	**1600**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 23:39	
Benzo[b]fluoranthene	**2100**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 23:39	
Benzo[k]fluoranthene	**980**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 23:39	
Benzo[a]pyrene	**1700**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 23:39	
Indeno[1,2,3-cd]pyrene	**710**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 23:39	
Dibenz[a,h]anthracene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 23:39	
Benzo[g,h,i]perylene	**700**	340	1	EPA 3545A	B6A1928	01/19/2016	01/21/2016 23:39	
Surrogate: Nitrobenzene-d5	*52.7 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 23:39*	

Client Sample ID B-19 (0-2)

Lab ID: 6010276-11

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*64.2 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 23:39*	
Surrogate: Terphenyl-d14	*65.4 %*	*30 - 130*			B6A1928	01/19/2016	*01/21/2016 23:39*	

Client Sample ID B-21 (0-2)

Lab ID: 6010276-12

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**130**	2.3	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:13	
Selenium	**4.8**	1.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:13	
Cadmium	**1.1**	0.57	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:13	
Chromium	**15**	2.3	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:13	
Arsenic	**4.0**	1.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:13	
Barium	**67**	2.3	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:13	
Silver	ND	2.3	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:13	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 00:27	
2-Methyl Naphthalene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 00:27	
Acenaphthylene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 00:27	
Acenaphthene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 00:27	
Fluorene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 00:27	
Phenanthrene	**810**	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 00:27	
Anthracene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 00:27	
Fluoranthene	**1500**	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 00:27	
Pyrene	**1400**	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 00:27	
Benzo[a]anthracene	**700**	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 00:27	
Chrysene	**660**	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 00:27	
Benzo[b]fluoranthene	**940**	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 00:27	
Benzo[k]fluoranthene	**440**	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 00:27	
Benzo[a]pyrene	**810**	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 00:27	
Indeno[1,2,3-cd]pyrene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 00:27	
Dibenz[a,h]anthracene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 00:27	
Benzo[g,h,i]perylene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 00:27	
Surrogate: Nitrobenzene-d5	*58.6 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 00:27*	

Client Sample ID B-21 (0-2)

Lab ID: 6010276-12

Semivolatile Organics

Method: EPA 8270D

Analyst: ALB

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*67.5 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 00:27*	
Surrogate: Terphenyl-d14	*70.1 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 00:27*	

Client Sample ID B-21 (5-7)

Lab ID: 6010276-13

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**160**	2.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:17	
Selenium	**3.6**	1.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:17	
Cadmium	**1.0**	0.55	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:17	
Chromium	**12**	2.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:17	
Arsenic	**4.9**	1.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:17	
Barium	**62**	2.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:17	
Silver	ND	2.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:17	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 01:15	
2-Methyl Naphthalene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 01:15	
Acenaphthylene	**340**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 01:15	
Acenaphthene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 01:15	
Fluorene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 01:15	
Phenanthrene	**1500**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 01:15	
Anthracene	**470**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 01:15	
Fluoranthene	**3400**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 01:15	
Pyrene	**3100**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 01:15	
Benzo[a]anthracene	**1700**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 01:15	
Chrysene	**1500**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 01:15	
Benzo[b]fluoranthene	**2000**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 01:15	
Benzo[k]fluoranthene	**950**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 01:15	
Benzo[a]pyrene	**1800**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 01:15	
Indeno[1,2,3-cd]pyrene	**680**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 01:15	
Dibenz[a,h]anthracene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 01:15	
Benzo[g,h,i]perylene	**650**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 01:15	
Surrogate: Nitrobenzene-d5	*53.3 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 01:15*	

Client Sample ID B-21 (5-7)

Lab ID: 6010276-13

Semivolatile Organics

Method: EPA 8270D

Analyst: ALB

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*66.2 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 01:15*	
Surrogate: Terphenyl-d14	*69.8 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 01:15*	

Client Sample ID B-22 (0-2)

Lab ID: 6010276-14

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**8.9**	2.3	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:21	
Selenium	**2.6**	1.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:21	
Cadmium	ND	0.57	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:21	
Chromium	**8.1**	2.3	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:21	
Arsenic	**2.1**	1.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:21	
Barium	**27**	2.3	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:21	
Silver	ND	2.3	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:21	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:02	
2-Methyl Naphthalene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:02	
Acenaphthylene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:02	
Acenaphthene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:02	
Fluorene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:02	
Phenanthrene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:02	
Anthracene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:02	
Fluoranthene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:02	
Pyrene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:02	
Benzo[a]anthracene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:02	
Chrysene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:02	
Benzo[b]fluoranthene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:02	
Benzo[k]fluoranthene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:02	
Benzo[a]pyrene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:02	
Indeno[1,2,3-cd]pyrene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:02	
Dibenz[a,h]anthracene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:02	
Benzo[g,h,i]perylene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:02	
Surrogate: Nitrobenzene-d5	*54.0 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 02:02*	

Client Sample ID B-22 (0-2)

Lab ID: 6010276-14

Semivolatile Organics

Method: EPA 8270D

Analyst: ALB

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*65.5 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 02:02*	
Surrogate: Terphenyl-d14	*71.9 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 02:02*	

Client Sample ID B-22 (5-7)

Lab ID: 6010276-15

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**130**	2.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:25	
Selenium	**5.2**	1.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:25	
Cadmium	**1.1**	0.53	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:25	
Chromium	**16**	2.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:25	
Arsenic	**4.8**	1.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:25	
Barium	**83**	2.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:25	
Silver	ND	2.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:25	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:50	
2-Methyl Naphthalene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:50	
Acenaphthylene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:50	
Acenaphthene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:50	
Fluorene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:50	
Phenanthrene	**950**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:50	
Anthracene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:50	
Fluoranthene	**1800**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:50	
Pyrene	**1700**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:50	
Benzo[a]anthracene	**900**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:50	
Chrysene	**870**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:50	
Benzo[b]fluoranthene	**1200**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:50	
Benzo[k]fluoranthene	**560**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:50	
Benzo[a]pyrene	**1000**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:50	
Indeno[1,2,3-cd]pyrene	**420**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:50	
Dibenz[a,h]anthracene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:50	
Benzo[g,h,i]perylene	**440**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 02:50	
Surrogate: Nitrobenzene-d5	*50.6 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 02:50*	

Client Sample ID B-22 (5-7)

Lab ID: 6010276-15

Semivolatile Organics

Method: EPA 8270D

Analyst: ALB

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*61.3 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 02:50*	
Surrogate: Terphenyl-d14	*64.6 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 02:50*	

Client Sample ID B-23 (0-2)

Lab ID: 6010276-16

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**84**	2.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:30	
Selenium	**3.5**	1.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:30	
Cadmium	**0.59**	0.54	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:30	
Chromium	**14**	2.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:30	
Arsenic	**4.1**	1.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:30	
Barium	**53**	2.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:30	
Silver	ND	2.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:30	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 03:38	
2-Methyl Naphthalene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 03:38	
Acenaphthylene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 03:38	
Acenaphthene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 03:38	
Fluorene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 03:38	
Phenanthrene	**1200**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 03:38	
Anthracene	**390**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 03:38	
Fluoranthene	**2100**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 03:38	
Pyrene	**1800**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 03:38	
Benzo[a]anthracene	**1100**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 03:38	
Chrysene	**960**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 03:38	
Benzo[b]fluoranthene	**1300**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 03:38	
Benzo[k]fluoranthene	**640**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 03:38	
Benzo[a]pyrene	**1100**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 03:38	
Indeno[1,2,3-cd]pyrene	**430**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 03:38	
Dibenz[a,h]anthracene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 03:38	
Benzo[g,h,i]perylene	**410**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 03:38	
Surrogate: Nitrobenzene-d5	*54.2 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 03:38*	

Client Sample ID B-23 (0-2)

Lab ID: 6010276-16

Semivolatile Organics

Method: EPA 8270D

Analyst: ALB

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*66.1 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 03:38*	
Surrogate: Terphenyl-d14	*70.7 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 03:38*	

Client Sample ID B-23 (5-7)

Lab ID: 6010276-17

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**67**	2.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:34	
Selenium	**3.4**	1.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:34	
Cadmium	**0.80**	0.53	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:34	
Chromium	**23**	2.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:34	
Arsenic	**3.3**	1.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:34	
Barium	**57**	2.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:34	
Silver	ND	2.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:34	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 04:25	
2-Methyl Naphthalene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 04:25	
Acenaphthylene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 04:25	
Acenaphthene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 04:25	
Fluorene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 04:25	
Phenanthrene	**750**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 04:25	
Anthracene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 04:25	
Fluoranthene	**1500**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 04:25	
Pyrene	**1300**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 04:25	
Benzo[a]anthracene	**740**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 04:25	
Chrysene	**710**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 04:25	
Benzo[b]fluoranthene	**890**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 04:25	
Benzo[k]fluoranthene	**460**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 04:25	
Benzo[a]pyrene	**780**	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 04:25	
Indeno[1,2,3-cd]pyrene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 04:25	
Dibenz[a,h]anthracene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 04:25	
Benzo[g,h,i]perylene	ND	320	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 04:25	
Surrogate: Nitrobenzene-d5	*54.5 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 04:25*	

Client Sample ID B-23 (5-7)

Lab ID: 6010276-17

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*67.0 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 04:25*	
Surrogate: Terphenyl-d14	*69.4 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 04:25*	

Client Sample ID B-24 (0-2)

Lab ID: 6010276-18

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**220**	2.3	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:38	
Selenium	**8.6**	1.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:38	
Cadmium	**1.7**	0.57	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:38	
Chromium	**16**	2.3	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:38	
Arsenic	**6.3**	1.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:38	
Barium	**63**	2.3	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:38	
Silver	ND	2.3	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:38	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 05:13	
2-Methyl Naphthalene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 05:13	
Acenaphthylene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 05:13	
Acenaphthene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 05:13	
Fluorene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 05:13	
Phenanthrene	**880**	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 05:13	
Anthracene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 05:13	
Fluoranthene	**2200**	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 05:13	
Pyrene	**2000**	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 05:13	
Benzo[a]anthracene	**1100**	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 05:13	
Chrysene	**1100**	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 05:13	
Benzo[b]fluoranthene	**1600**	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 05:13	
Benzo[k]fluoranthene	**730**	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 05:13	
Benzo[a]pyrene	**1200**	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 05:13	
Indeno[1,2,3-cd]pyrene	**530**	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 05:13	
Dibenz[a,h]anthracene	ND	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 05:13	
Benzo[g,h,i]perylene	**510**	340	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 05:13	
Surrogate: Nitrobenzene-d5	*58.1 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 05:13*	

Client Sample ID B-24 (0-2)

Lab ID: 6010276-18

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*69.3 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 05:13*	
Surrogate: Terphenyl-d14	*71.6 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 05:13*	

Client Sample ID B-24 (5-7)

Lab ID: 6010276-19

Total Metals **Analyst: SS**

Method: EPA 6010C **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**200**	2.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:42	
Selenium	**1.8**	1.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:42	
Cadmium	**0.54**	0.54	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:42	
Chromium	**14**	2.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:42	
Arsenic	**2.8**	1.1	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:42	
Barium	**54**	2.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:42	
Silver	ND	2.2	1	EPA 3050B	B6A2122	01/21/2016	01/22/2016 18:42	

Semivolatile Organics **Analyst: ALB**

Method: EPA 8270D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 06:01	
2-Methyl Naphthalene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 06:01	
Acenaphthylene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 06:01	
Acenaphthene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 06:01	
Fluorene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 06:01	
Phenanthrene	**1200**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 06:01	
Anthracene	**360**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 06:01	
Fluoranthene	**2200**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 06:01	
Pyrene	**2100**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 06:01	
Benzo[a]anthracene	**1000**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 06:01	
Chrysene	**1000**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 06:01	
Benzo[b]fluoranthene	**1300**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 06:01	
Benzo[k]fluoranthene	**610**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 06:01	
Benzo[a]pyrene	**1200**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 06:01	
Indeno[1,2,3-cd]pyrene	**470**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 06:01	
Dibenz[a,h]anthracene	ND	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 06:01	
Benzo[g,h,i]perylene	**460**	330	1	EPA 3545A	B6A1928	01/19/2016	01/22/2016 06:01	
Surrogate: Nitrobenzene-d5	*59.1 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 06:01*	

Client Sample ID B-24 (5-7)

Lab ID: 6010276-19

Semivolatile Organics

Analyst: ALB

Method: EPA 8270D

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*69.3 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 06:01*	
Surrogate: Terphenyl-d14	*73.3 %*	*30 - 130*			B6A1928	01/19/2016	*01/22/2016 06:01*	

QUALITY CONTROL SECTION

Batch B6A1907 - EPA 160.3 modified

Analyte	Result (%)	RL (%)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Duplicate (B6A1907-DUP1)		**Source: 6010276-19**			Prepared: 1/19/2016 Analyzed: 1/19/2016				
Total Solids	91	1.0		92			1.24	200	

Batch B6A1928 - EPA 8270D

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B6A1928-BLK1)					Prepared: 1/19/2016 Analyzed: 1/21/2016				
Naphthalene	ND	300							
2-Methyl Naphthalene	ND	300							
Acenaphthylene	ND	300							
Acenaphthene	ND	300							
Fluorene	ND	300							
Phenanthrene	ND	300							
Anthracene	ND	300							
Fluoranthene	ND	300							
Pyrene	ND	300							
Benzo[a]anthracene	ND	300							
Chrysene	ND	300							
Benzo[b]fluoranthene	ND	300							
Benzo[k]fluoranthene	ND	300							
Benzo[a]pyrene	ND	300							
Indeno[1,2,3-cd]pyrene	ND	300							
Dibenz[a,h]anthracene	ND	300							
Benzo[g,h,i]perylene	ND	300							
Surrogate: Nitrobenzene-d5					*65.7*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*74.1*	*30 - 130*			
Surrogate: Terphenyl-d14					*77.1*	*30 - 130*			
LCS (B6A1928-BS1)					Prepared: 1/19/2016 Analyzed: 1/21/2016				
Naphthalene	2540	300	4,000.000		63.4	40 - 140			
2-Methyl Naphthalene	2690	300	4,000.000		67.2	40 - 140			
Acenaphthylene	2680	300	4,000.000		67.1	40 - 140			
Acenaphthene	2680	300	4,000.000		67.1	40 - 140			
Fluorene	2890	300	4,000.000		72.3	40 - 140			
Phenanthrene	2930	300	4,000.000		73.2	40 - 140			
Anthracene	2940	300	4,000.000		73.6	40 - 140			
Fluoranthene	3110	300	4,000.000		77.8	40 - 140			
Pyrene	3150	300	4,000.000		78.8	40 - 140			
Benzo[a]anthracene	3130	300	4,000.000		78.2	40 - 140			
Chrysene	3170	300	4,000.000		79.3	40 - 140			
Benzo[b]fluoranthene	3340	300	4,000.000		83.4	40 - 140			
Benzo[k]fluoranthene	3990	300	4,000.000		99.6	40 - 140			
Benzo[a]pyrene	3510	300	4,000.000		87.8	40 - 140			
Indeno[1,2,3-cd]pyrene	3010	300	4,000.000		75.4	40 - 140			
Dibenz[a,h]anthracene	3120	300	4,000.000		77.9	40 - 140			
Benzo[g,h,i]perylene	2700	300	4,000.000		67.4	40 - 140			
Surrogate: Nitrobenzene-d5					*64.7*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*73.0*	*30 - 130*			
Surrogate: Terphenyl-d14					*75.5*	*30 - 130*			
Duplicate (B6A1928-DUP1)		**Source: 6010276-19**			Prepared: 1/19/2016 Analyzed: 1/22/2016				
Naphthalene	ND	330		ND				30	
2-Methyl Naphthalene	ND	330		ND				30	
Acenaphthylene	ND	330		ND				30	
Acenaphthene	ND	330		ND				30	
Fluorene	ND	330		ND				30	
Phenanthrene	994	330		1220			20.2	30	
Anthracene	ND	330		361				30	

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Duplicate (B6A1928-DUP1) - Continued		**Source: 6010276-19**			Prepared: 1/19/2016 Analyzed: 1/22/2016				
Fluoranthene	1820	330		2190			18.4	30	
Pyrene	1790	330		2090			15.1	30	
Benzo[a]anthracene	919	330		1040			12.6	30	
Chrysene	895	330		1000			11.3	30	
Benzo[b]fluoranthene	1150	330		1260			9.05	30	
Benzo[k]fluoranthene	539	330		612			12.8	30	
Benzo[a]pyrene	1060	330		1150			8.02	30	
Indeno[1,2,3-cd]pyrene	401	330		475			16.8	30	
Dibenz[a,h]anthracene	ND	330		ND				30	
Benzo[g,h,i]perylene	450	330		457			1.67	30	
Surrogate: Nitrobenzene-d5					*59.6*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*71.0*	*30 - 130*			
Surrogate: Terphenyl-d14					*74.2*	*30 - 130*			
Matrix Spike (B6A1928-MS1)		**Source: 6010276-19**			Prepared: 1/19/2016 Analyzed: 1/22/2016				
Naphthalene	2550	330	4,335.912	ND	58.9	40 - 140			
2-Methyl Naphthalene	3160	330	4,335.912	ND	72.9	40 - 140			
Acenaphthylene	2810	330	4,335.912	ND	64.7	40 - 140			
Acenaphthene	2620	330	4,335.912	ND	60.5	40 - 140			
Fluorene	2790	330	4,335.912	ND	64.3	40 - 140			
Phenanthrene	3800	330	4,335.912	1220	59.5	40 - 140			
Anthracene	3020	330	4,335.912	361	61.3	40 - 140			
Fluoranthene	4960	330	4,335.912	2190	63.8	40 - 140			
Pyrene	4860	330	4,335.912	2090	63.9	40 - 140			
Benzo[a]anthracene	3840	330	4,335.912	1040	64.6	40 - 140			
Chrysene	3800	330	4,335.912	1000	64.5	40 - 140			
Benzo[b]fluoranthene	4690	330	4,335.912	1260	78.9	40 - 140			
Benzo[k]fluoranthene	4670	330	4,335.912	612	93.6	40 - 140			
Benzo[a]pyrene	4310	330	4,335.912	1150	72.8	40 - 140			
Indeno[1,2,3-cd]pyrene	2550	330	4,335.912	475	47.7	40 - 140			
Dibenz[a,h]anthracene	2420	330	4,335.912	ND	55.8	40 - 140			
Benzo[g,h,i]perylene	2180	330	4,335.912	457	**39.8**	40 - 140			**L**
Surrogate: Nitrobenzene-d5					*60.4*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*64.1*	*30 - 130*			
Surrogate: Terphenyl-d14					*67.8*	*30 - 130*			

Batch B6A2013 - EPA 7471B

Analyte	Result (mg/kg)	RL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B6A2013-BLK1)					Prepared: 1/20/2016 Analyzed: 1/20/2016				
Mercury	ND	0.20							
LCS (B6A2013-BS1)					Prepared: 1/20/2016 Analyzed: 1/20/2016				
Mercury	2.37	0.20	2.500		94.7	80 - 120			
Duplicate (B6A2013-DUP1)		**Source: 6010276-04**			Prepared: 1/20/2016 Analyzed: 1/20/2016				
Mercury	0.0192	0.24		0.0172			10.9	20	
Matrix Spike (B6A2013-MS1)		**Source: 6010276-04**			Prepared: 1/20/2016 Analyzed: 1/20/2016				
Mercury	3.12	0.24	3.002	0.0172	103	80 - 120			
Matrix Spike Dup (B6A2013-MSD1)		**Source: 6010276-04**			Prepared: 1/20/2016 Analyzed: 1/20/2016				
Mercury	3.06	0.24	3.002	0.0172	101	80 - 120	1.94	20	

Batch B6A2103 - EPA 7471B

Analyte	Result (mg/kg)	RL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B6A2103-BLK1)					Prepared: 1/21/2016 Analyzed: 1/21/2016				
Mercury	ND	0.20							
LCS (B6A2103-BS1)					Prepared: 1/21/2016 Analyzed: 1/21/2016				
Mercury	2.45	0.20	2.500		97.9	80 - 120			
Duplicate (B6A2103-DUP1)		**Source: 6010276-19**			Prepared: 1/21/2016 Analyzed: 1/21/2016				
Mercury	0.201	0.22		0.196			2.59	20	
Matrix Spike (B6A2103-MS1)		**Source: 6010276-19**			Prepared: 1/21/2016 Analyzed: 1/21/2016				
Mercury	3.14	0.22	2.710	0.196	109	80 - 120			
Matrix Spike Dup (B6A2103-MSD1)		**Source: 6010276-19**			Prepared: 1/21/2016 Analyzed: 1/21/2016				
Mercury	3.12	0.22	2.710	0.196	108	80 - 120	0.866	20	

Batch B6A2107 - EPA 6010C

Analyte	Result (mg/kg)	RL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B6A2107-BLK1)					Prepared: 1/21/2016 Analyzed: 1/21/2016				
Lead	ND	2.0							
Selenium	ND	1.0							
Cadmium	ND	0.50							
Chromium	ND	2.0							
Arsenic	ND	1.0							
Barium	ND	2.0							
Silver	ND	2.0							
LCS (B6A2107-BS1)					Prepared: 1/21/2016 Analyzed: 1/21/2016				
Lead	23.4	2.0	25.000		93.7	80 - 120			
Selenium	48.0	1.0	50.000		96.0	80 - 120			
Cadmium	23.7	0.50	25.000		95.0	80 - 120			
Chromium	23.9	2.0	25.000		95.5	80 - 120			
Arsenic	23.6	1.0	25.000		94.2	80 - 120			
Barium	24.5	2.0	25.000		97.9	80 - 120			
Silver	4.81	2.0	5.000		96.2	80 - 120			

CET # : 6010276

Project: Riverside Apts, Ansonia

Project Number: 15.127/001

Batch B6A2122 - EPA 6010C

Analyte	Result (mg/kg)	RL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B6A2122-BLK1)					Prepared: 1/21/2016 Analyzed: 1/22/2016				
Lead	ND	2.0							
Selenium	ND	1.0							
Cadmium	ND	0.50							
Chromium	ND	2.0							
Arsenic	ND	1.0							
Barium	ND	2.0							
Silver	ND	2.0							
LCS (B6A2122-BS1)					Prepared: 1/21/2016 Analyzed: 1/22/2016				
Lead	23.2	2.0	25.000		92.6	80 - 120			
Selenium	46.9	1.0	50.000		93.8	80 - 120			
Cadmium	23.7	0.50	25.000		94.8	80 - 120			
Chromium	23.7	2.0	25.000		94.6	80 - 120			
Arsenic	23.5	1.0	25.000		93.9	80 - 120			
Barium	23.6	2.0	25.000		94.2	80 - 120			
Silver	4.45	2.0	5.000		88.9	80 - 120			

Questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

David Ditta
Laboratory Director

Report Comments:

Sample Result Flags:
E- The result is estimated, above the calibration range.
H- The surrogate recovery is above the control limits.
L- The surrogate recovery is below the control limits.
B- The compound was detected in the laboratory blank.
P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
D- The RPD between the sample and the sample duplicate is high. Sample Homogenity may be a problem.
+- The Surrogate was diluted out.
*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
I- The Analyte exceeds %RSD limits for the Initial Calibration. This is a non-directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at the specified detection limit
All analyses were performed in house unless a Reference Laboratory is listed.
Samples will be disposed of 30 days after the report date.

80 Lupes Drive
Stratford, CT 06615

COMPLETE ENVIRONMENTAL TESTING, INC.

Tel: (203) 377-9984
Fax: (203) 377-9952
email: cet1@cetlabs.com

Quality Control Definitions and Abbreviations

Internal Standard (IS)	An Analyte added to each sample or sample extract. An internal standard is used to monitor retention time, calculate relative response, and quantify analytes of interest.
Surrogate Recovery	The % recovery for non-tarer organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration	An analytical standard analyzed with each set of samples to verify initial calibration of the system.
Batch	Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period.
ND	Not detected
RL	Reporting Limit
Dilution	Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate	Result from the duplicate analysis of a sample.
Result	Amount of analyte found in a sample.
Spike Level	Amount of analyte added to a sample
Matrix Spike Result	Amount of analyte found including amount that was spiked.
Matrix Spike Dup	Amount of analyte foun in duplicate spikes including amount that was spike.
Matrix Spike % Recovery	% Recovery of spiked amount in sample.
Matrix Spike Dup % Recovery	% Recovery of spiked duplicate amount in sample.
RPD	Relative percent difference between Matrix Spike and Matrix Spike Duplicate.
Blank	Method Blank that has been taken through all steps of the analysis.
LCS % Recovery	Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.
Recovery Limits	A range within which specified measurements results must fall to be compliant.
CC	Calibration Verification

Flags:

- H- Recovery is above the control limits
- L- Recovery is below the control limits
- B- Compound detected in the Blank
- P- RPD of dual column results exceeds 40%
- #- Sample result too high for accurate spike recovery.

NELAP ACCREDITED TNI LABORATORY

Connecticut Laboratory Certification PH0116
Massachussets Laboratory Certification M-CT903
New York Certification 11982
Rhode Island Certification 199

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Complete Environmental Testing, Inc.

Client: Payne Environmental

Project Location: Riverside Apts, Ansonia

Project Number: 15.127/001

Laboratory Sample ID(s):

6010276-01 thru 6010276-19

Sample Date(s):

01/06/2016, 01/12/2016, 01/13/2016, 01/14/2016

List RCP Methods Used:

EPA 6010C, EPA 7471B, EPA 8270D

CET #: 6010276

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 CTDEP 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 and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
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 (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5a	a) Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b	b) Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all consituents 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 with this data set?	☑ Yes ☐ No

Notes: 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."
This form may not be altered and all questions must be answered.

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

Authorized Signature:  **Position:** Laboratory Director

Printed Name: David Ditta **Date:** 01/25/2016

Name of Laboratory: Complete Environmental Testing, Inc.

This certification form is to be used for RCP methods only.

RCP Case Narrative

4- See Exceptions Report Below

6- The client requested a subset of the RCP metals and CT 8270 list.

4- Exceptions Report

Analyte	QC Type	Exception	Result	RPD	Recovery (%)	Batch/Sequence Sample ID
Benzo[g,h,i]perylene	MS	Low			39.8	6010276-19

Batch	Sequence	CET ID	Sample ID	Specific Method	Matrix	Collection Date
B6A2107	S6A2111	6010276-01	B-14 (0-2)	EPA 6010C	Soil	01/06/2016
B6A2107	S6A2111	6010276-02	B-14 (7-9)	EPA 6010C	Soil	01/06/2016
B6A2107	S6A2111	6010276-03	B-15 (2.5-4.5)	EPA 6010C	Soil	01/12/2016
B6A2107	S6A2111	6010276-04	B-15 (5-7)	EPA 6010C	Soil	01/12/2016
B6A2107	S6A2111	6010276-05	B-16 (0-2)	EPA 6010C	Soil	01/13/2016
B6A2107	S6A2111	6010276-06	B-16 (5-7)	EPA 6010C	Soil	01/13/2016
B6A2107	S6A2111	6010276-07	B-17 (2-4)	EPA 6010C	Soil	01/12/2016
B6A2107	S6A2111	6010276-08	B-17 (5-7)	EPA 6010C	Soil	01/12/2016
B6A2122	S6A2207	6010276-09	B-18 (0-2)	EPA 6010C	Soil	01/13/2016
B6A2122	S6A2207	6010276-10	B-18 (5-7)	EPA 6010C	Soil	01/13/2016
B6A2122	S6A2207	6010276-11	B-19 (0-2)	EPA 6010C	Soil	01/13/2016
B6A2122	S6A2207	6010276-12	B-21 (0-2)	EPA 6010C	Soil	01/14/2016
B6A2122	S6A2207	6010276-13	B-21 (5-7)	EPA 6010C	Soil	01/14/2016
B6A2122	S6A2207	6010276-14	B-22 (0-2)	EPA 6010C	Soil	01/14/2016
B6A2122	S6A2207	6010276-15	B-22 (5-7)	EPA 6010C	Soil	01/14/2016
B6A2122	S6A2207	6010276-16	B-23 (0-2)	EPA 6010C	Soil	01/14/2016
B6A2122	S6A2207	6010276-17	B-23 (5-7)	EPA 6010C	Soil	01/14/2016
B6A2122	S6A2207	6010276-18	B-24 (0-2)	EPA 6010C	Soil	01/14/2016
B6A2122	S6A2207	6010276-19	B-24 (5-7)	EPA 6010C	Soil	01/14/2016
B6A2013		6010276-01	B-14 (0-2)	EPA 7471B	Soil	01/06/2016
B6A2013		6010276-02	B-14 (7-9)	EPA 7471B	Soil	01/06/2016
B6A2013		6010276-03	B-15 (2.5-4.5)	EPA 7471B	Soil	01/12/2016
B6A2013		6010276-04	B-15 (5-7)	EPA 7471B	Soil	01/12/2016
B6A2013		6010276-05	B-16 (0-2)	EPA 7471B	Soil	01/13/2016
B6A2013		6010276-06	B-16 (5-7)	EPA 7471B	Soil	01/13/2016
B6A2013		6010276-07	B-17 (2-4)	EPA 7471B	Soil	01/12/2016
B6A2013		6010276-08	B-17 (5-7)	EPA 7471B	Soil	01/12/2016
B6A2103		6010276-09	B-18 (0-2)	EPA 7471B	Soil	01/13/2016
B6A2103		6010276-10	B-18 (5-7)	EPA 7471B	Soil	01/13/2016
B6A2103		6010276-11	B-19 (0-2)	EPA 7471B	Soil	01/13/2016
B6A2103		6010276-12	B-21 (0-2)	EPA 7471B	Soil	01/14/2016
B6A2103		6010276-13	B-21 (5-7)	EPA 7471B	Soil	01/14/2016
B6A2103		6010276-14	B-22 (0-2)	EPA 7471B	Soil	01/14/2016
B6A2103		6010276-15	B-22 (5-7)	EPA 7471B	Soil	01/14/2016
B6A2103		6010276-16	B-23 (0-2)	EPA 7471B	Soil	01/14/2016
B6A2103		6010276-17	B-23 (5-7)	EPA 7471B	Soil	01/14/2016
B6A2103		6010276-18	B-24 (0-2)	EPA 7471B	Soil	01/14/2016
B6A2103		6010276-19	B-24 (5-7)	EPA 7471B	Soil	01/14/2016
B6A1928	S6A2114	6010276-01	B-14 (0-2)	EPA 8270D	Soil	01/06/2016
B6A1928	S6A2114	6010276-02	B-14 (7-9)	EPA 8270D	Soil	01/06/2016
B6A1928	S6A2114	6010276-03	B-15 (2.5-4.5)	EPA 8270D	Soil	01/12/2016
B6A1928	S6A2114	6010276-04	B-15 (5-7)	EPA 8270D	Soil	01/12/2016
B6A1928	S6A2114	6010276-05	B-16 (0-2)	EPA 8270D	Soil	01/13/2016
B6A1928	S6A2114	6010276-06	B-16 (5-7)	EPA 8270D	Soil	01/13/2016
B6A1928	S6A2114	6010276-07	B-17 (2-4)	EPA 8270D	Soil	01/12/2016
B6A1928	S6A2114	6010276-08	B-17 (5-7)	EPA 8270D	Soil	01/12/2016
B6A1928	S6A2114	6010276-09	B-18 (0-2)	EPA 8270D	Soil	01/13/2016
B6A1928	S6A2114	6010276-10	B-18 (5-7)	EPA 8270D	Soil	01/13/2016

B6A1928	S6A2114	6010276-11	B-19 (0-2)	EPA 8270D	Soil	01/13/2016
B6A1928	S6A2114	6010276-12	B-21 (0-2)	EPA 8270D	Soil	01/14/2016
B6A1928	S6A2114	6010276-13	B-21 (5-7)	EPA 8270D	Soil	01/14/2016
B6A1928	S6A2114	6010276-14	B-22 (0-2)	EPA 8270D	Soil	01/14/2016
B6A1928	S6A2114	6010276-15	B-22 (5-7)	EPA 8270D	Soil	01/14/2016
B6A1928	S6A2114	6010276-16	B-23 (0-2)	EPA 8270D	Soil	01/14/2016
B6A1928	S6A2114	6010276-17	B-23 (5-7)	EPA 8270D	Soil	01/14/2016
B6A1928	S6A2114	6010276-18	B-24 (0-2)	EPA 8270D	Soil	01/14/2016
B6A1928	S6A2114	6010276-19	B-24 (5-7)	EPA 8270D	Soil	01/14/2016

CET

COMPLETE ENVIRONMENTAL TESTING, INC.

6010276

F CUSTODY RECORD

CET #

Volatile Soils Only:

Date and Time in Freezer

Client:

CET:

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com
Bottle Request e-mail: bottleorders@cetlabs.com

Matrix: A=Air, S=Soil, W=Water, DW=Drinking W., C=Cassette Solid, Wipe, Other (Specify)

Turnaround Time ** (check one): Same Day *, Next Day *, 2-3 Days *, Std (5-7 Days)

Organics: 8260 CT List, 8260 Aromatics, 8260 Halogens, CT ETPH, 8270 CT List, 8270 PNAs, PCBs, Pesticides, Herbicides

Metals (check all that apply): 13 Priority Poll, 8 RCRA, TOTAL, TCLP, SPLP, Field Filtered, Lab To Filter

Additional Analysis

Sample ID	Date/Time	Matrix	Same Day *	Next Day *	2-3 Days *	Std (5-7 Days)	8260 CT List	8260 Aromatics	8260 Halogens	CT ETPH	8270 CT List	8270 PNAs	PCBs	Pesticides	Herbicides	13 Priority Poll	8 RCRA	TOTAL	TCLP	SPLP	Field Filtered	Lab To Filter	TOTAL # OF CONT.	NOTE #
B-14 (0-2)	1/6/16 0930	SOIL				/						/					/						1	
B-14 (7-9)	1/6/16 0955					/						/					/						1	
B-15 (2.5-4.5)	1/12/16 8:45 am					/						/					/						1	
B-15 (5-7)	1/12/16 9:00 am					/						/					/						1	
B-16 (0-2)	1/13/16 1400					/						/					/						1	
B-16 (5-7)	1/13/16 1420					/						/					/						1	
B-17 (2-4)	1/12/16 1330					/						/					/						1	
B-17 (5-7)	1/12/16 1400					/						/					/						1	
B-18 (0-2)	1/13/16 8:30 am					/						/					/						1	
B-18 (5-7)	1/13/16 8:40 am					/						/					/						1	
PRESERVATIVE (Cl–HCl, N–HNO_3, S–H_2SO_4, Na–NaOH, C=Cool, O–Other)						C																	10	
CONTAINER TYPE (P–Plastic, G–Glass, V–Vial, O–Other)						G																		
Soil VOCs Only (M=MeOH B=Sodium Bisulfate W=Water F=Empty Vial E=Encore)							/	/	/															

RELINQUISHED BY: Neil M Payne DATE/TIME: 1-18-16 1445 RECEIVED BY:

RELINQUISHED BY: DATE/TIME: 1-18-16 1600 RECEIVED BY:

RELINQUISHED BY: DATE/TIME: RECEIVED BY:

NOTES:

TAX EXEMPT PROJECT

Client / Reporting Information

Company Name: PAYNE ENVIRONMENTAL, LLC

Address: 85 WILLOW ST

City: NEW HAVEN State: CT Zip: 06511

Report To: N. PAYNE E-mail: npayne@paynecorp.com

Phone #: 203.865.1255 x10 Fax #: 203.865.1286

Project Information

Project Contact: NEIL PAYNE PO #:

Project: RIVERSIDE APTS Project #: 15.127/001

Location: ANSONIA, CT Collector(s): NP, CP, BG

QA/QC ☐ Std ☐ Site Specific (MS/MSD) * ☑ RCP Pkg * ☑ DQAW *

Data Report ☑ Email ☐ PDF ☐ Excel ☑ Other EXCEL ROEC

RSR Reporting Limits (check one) ☐ GA ☑ GB ☐ SWP ☑ Other (specify) PMC

Lab Use:
Evidence of Cooling: Y or N
Temp Upon Receipt 20 °C

SHEET 1 OF 2

* Additional charge may apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day.

REV. 12/11

CET

COMPLETE ENVIRONMENTAL TESTING, INC.

6010276

CHAIN OF CUSTODY RECORD

CET #

Volatile Soils Only:

Date and Time in Freezer
Client:
CET:

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com
Bottle Request e-mail: bottleorders@cetlabs.com

Matrix: A=Air, S=Soil, W=Water, DW=Drinking W., C=Cassette, Solid, Wipe, Other (Specify)

Sample ID	Date/Time	Matrix	Turnaround Time ** (check one): Same Day *	Next Day *	2-3 Days *	Std (5-7 Days)	8260 CT List	8260 Aromatics	8260 Halogens	CT ETPH	8270 CT List	8270 PNAs	PCBs	Pesticides	Herbicides	13 Priority Poll	8 RCRA	TOTAL	TCLP	SPLP	Field Filtered	Lab To Filter	Additional Analysis	TOTAL # OF CONT.	NOTE #
B-19 (0-2)	1/13/16 10:15am	Soil				/						/					/							/	
B-21 (0-2)	1/14/16 0800					/						/					/							/	
B-21 (5-7)	1/14/16 8:15am					/						/					/							/	
B-22 (0-2)	1/14/16 9:45am					/						/					/							/	
B-22 (5-7)	1/14/16 10:05am					/						/					/							/	
B-23 (0-2)	1/14/16 11:35am					/						/					/							/	
B-23 (5-7)	1/14/16 12:05					/						/					/							/	
B-24 (0-2)	1/14/16 2:00pm					/						/					/							/	
B-24 (5-7)	1/14/16 2:20pm					/						/					/							/	

PRESERVATIVE (Cl–HCl, N–HNO_3, S–H_2SO_4, Na–NaOH, C=Cool, O–Other) C

CONTAINER TYPE (P–Plastic, G–Glass, V–Vial, O–Other) G

Soil VOCs Only (M=MeOH B= Sodium Bisulfate W=Water F= Empty Vial E=Encore)

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	1-18-16	1445 [signature]
[signature]	1-18-16	[signature]

NOTES:

TAX EXEMPT PROJECT

Client / Reporting Information

Company Name: PAYNE ENVIRONMENTAL, LLC

Address: 85 WILLOW ST

City: NEW HAVEN State: CT Zip: 06511

Report To: N. PAYNE E-mail: npayne@payneorg.com

Phone #: 203.865.1285 x10 Fax #: 203.865.1286

Project Information

Project Contact: NEIL PAYNE PO #:

Project: RIVERSIDE APTS Project #: 15.127/001

Location: ANSONIA, CT Collector(s): NP, CP, BG

QA/QC ☐ Std ☐ Site Specific (MS/MSD) * ☑ RCP Pkg * ☑ DQAW *

Data Report ☑ Email ☐ PDF ☐ Excel ☐ Other

RSR Reporting Limits (check one) ☐ GA ☑ GB ☐ SWP ☑ Other (specify) RDEC PMC

Lab Use:
Evidence of Cooling: 2.0 (Y) or N
Temp Upon Receipt °C

SHEET 2 OF 2

* Additional charge may apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day.

REV. 12/11

CET

COMPLETE ENVIRONMENTAL TESTING, INC.

6010276

F CUSTODY RECORD

CET #

Volatile Soils Only:

Date and Time in Freezer

Client:

CET:

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com
Bottle Request e-mail: bottleorders@cetlabs.com

Matrix: A=Air, S=Soil, W=Water, DW=Drinking W., C=Cassette Solid, Wipe, Other (Specify)

Turnaround Time ** (check one): Same Day *, Next Day *, 2-3 Days *, Std (5-7 Days)

Organics: 8260 CT List, 8260 Aromatics, 8260 Halogens, CT ETPH, 8270 CT List, 8270 PNAs, PCBs, Pesticides, Herbicides

Metals (check all that apply): 13 Priority Poll, 8 RCRA, TOTAL, TCLP, SPLP, Field Filtered, Lab To Filter

Additional Analysis

Sample ID	Date/Time	Matrix	Same Day *	Next Day *	2-3 Days *	Std (5-7 Days)	8260 CT List	8260 Aromatics	8260 Halogens	CT ETPH	8270 CT List	8270 PNAs	PCBs	Pesticides	Herbicides	13 Priority Poll	8 RCRA	TOTAL	TCLP	SPLP	Field Filtered	Lab To Filter	TOTAL # OF CONT.	NOTE #
B-14 (0-2)	1/6/16 0930	SOIL				/						/					/						1	
B-14 (7-9)	1/6/16 0955					/						/					/						1	
B-15 (2.5-4.5)	1/12/16 8:45 am					/						/					/						1	
B-15 (5-7)	1/12/16 9:00 am					/						/					/						1	
B-16 (0-2)	1/13/16 1400					/						/					/						1	
B-16 (5-7)	1/13/16 1420					/						/					/						1	
B-17 (2-4)	1/12/16 1330					/						/					/						1	
B-17 (5-7)	1/12/16 1400					/						/					/						1	
B-18 (0-2)	1/13/16 8:30 am					/						/					/						1	
B-18 (5-7)	1/13/16 8:40 am					/						/					/						1	
PRESERVATIVE (Cl–HCl, N–HNO_3, S–H_2SO_4, Na–NaOH, C=Cool, O–Other)						C																	10	
CONTAINER TYPE (P–Plastic, G–Glass, V–Vial, O–Other)						G																		
Soil VOCs Only (M=MeOH B=Sodium Bisulfate W=Water F=Empty Vial E=Encore)							/	/	/															

RELINQUISHED BY: Nell Payne DATE/TIME: 1-18-16 1445 RECEIVED BY:

RELINQUISHED BY: DATE/TIME: 1-18-16 1600 RECEIVED BY:

RELINQUISHED BY: DATE/TIME: RECEIVED BY:

NOTES:

TAX EXEMPT PROJECT

Client / Reporting Information

Company Name: PAYNE ENVIRONMENTAL, LLC

Address: 85 WILLOW ST

City: NEW HAVEN State: CT Zip: 06511

Report To: N. PAYNE E-mail: npayne@paynecorp.com

Phone #: 203.865.1255 x10 Fax #: 203.865.1286

Project Information

Project Contact: NELL PAYNE PO #:

Project: RIVERSIDE APTS Project #: 15.127/001

Location: ANSONIA, CT Collector(s): NP, CP, BG

QA/QC ☐ Std ☐ Site Specific (MS/MSD) * ☑ RCP Pkg * ☑ DQAW *

Data Report ☑ Email ☐ PDF ☐ Excel ☑ Other EXCEL ROEC

RSR Reporting Limits (check one) ☐ GA ☑ GB ☐ SWP ☑ Other (specify) PMC

Lab Use:
Evidence of Cooling: Y or N
Temp Upon Receipt 20 °C

SHEET 1 OF 2

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COMPLETE ENVIRONMENTAL TESTING, INC.

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CHAIN OF CUSTODY RECORD

CET #

Volatile Soils Only:

Date and Time in Freezer
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80 Lupes Drive
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Tel: (203) 377-9984
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e-mail: cet1@cetlabs.com
Bottle Request e-mail: bottleorders@cetlabs.com

Matrix: A=Air, S=Soil, W=Water, DW=Drinking W., C=Cassette, Solid, Wipe, Other (Specify)

Sample ID	Date/Time	Matrix	Turnaround Time ** (check one): Same Day *	Next Day *	2-3 Days *	Std (5-7 Days)	8260 CT List	8260 Aromatics	8260 Halogens	CT ETPH	8270 CT List	8270 PNAs	PCBs	Pesticides	Herbicides	13 Priority Poll	8 RCRA	TOTAL	TCLP	SPLP	Field Filtered	Lab To Filter	TOTAL # OF CONT.	NOTE #
B-19 (0-2)	1/13/16 10:15am	Soil				/						/					/						/	
B-21 (0-2)	1/14/16 0800					/						/					/						/	
B-21 (5-7)	1/14/16 8:15am					/						/					/						/	
B-22 (0-2)	1/14/16 9:45am					/						/					/						/	
B-22 (5-7)	1/14/16 10:05am					/						/					/						/	
B-23 (0-2)	1/14/16 11:35am					/						/					/						/	
B-23 (5-7)	1/14/16 12:05					/						/					/						/	
B-24 (0-2)	1/14/16 2:00pm					/						/					/						/	
B-24 (5-7)	1/14/16 2:20pm					/						/					/						/	

PRESERVATIVE (Cl–HCl, N–HNO_3, S–H_2SO_4, Na–NaOH, C=Cool, O–Other) C

CONTAINER TYPE (P–Plastic, G–Glass, V–Vial, O–Other) G

Soil VOCs Only (M=MeOH B= Sodium Bisulfate W=Water F= Empty Vial E=Encore)

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	1-18-16	1445 [signature]
[signature]	1-18-16	[signature]

NOTES:

TAX EXEMPT PROJECT

Client / Reporting Information

Company Name: PAWS ENVIRONMENTAL, LLC

Address: 85 WILLOW ST

City: NEW HAVEN State: CT Zip: 06511

Report To: N. PAYNE E-mail: npayne@paynecpa.com

Phone #: 203.865.1285 x10 Fax #: 203.865.1286

Project Information

Project Contact: NEIL PAYNE PO #:

Project: RIVERSIDE APTS Project #: 15.127/001

Location: ANSONIA, CT Collector(s): NP, CP, BG

QA/QC ☐ Std ☐ Site Specific (MS/MSD) * ☑ RCP Pkg * ☑ DQAW *

Data Report ☑ Email ☐ PDF ☐ Excel ☐ Other

RSR Reporting Limits (check one) ☐ GA ☑ GB ☐ SWP ☑ Other (specify) RDEC PMC

Lab Use:
Evidence of Cooling: 2.0 (Y) or N
Temp Upon Receipt °C

SHEET 2 OF 2

* Additional charge may apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day.

REV. 12/11

80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

Client: Dr. Neil Payne
Payne Environmental
85 Willow St.
New Haven, CT 06511

Analytical Report

CET# 6020016

Report Date:February 03, 2016
Project: Riverside Apts, Ansonia
Project Number: 15.127/001

Connecticut Laboratory Certificate: PH 0116
Massachusetts laboratory Certificate: M-CT903

New York Certification: 11982
Rhode Island Certification: 199

SAMPLE SUMMARY

The sample(s) were received at 4.1°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
MW-1	6020016-01	Water	1/31/2016 8:45	02/01/2016
MW-2	6020016-02	Water	1/31/2016 9:15	02/01/2016
MW-3	6020016-03	Water	1/31/2016 8:55	02/01/2016
MW-4	6020016-04	Water	1/31/2016 9:00	02/01/2016
TB	6020016-05	Water	1/31/2016	02/01/2016

Client Sample ID MW-1

Lab ID: 6020016-01

Volatile Organics **Analyst: JS**

Method: EPA 8260C **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	10	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Chloromethane	ND	2.7	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Vinyl Chloride	ND	1.6	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Bromomethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Chloroethane	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Trichlorofluoromethane	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Acetone	ND	50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Acrylonitrile	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Trichlorotrifluoroethane	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	*F2
1,1-Dichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	*F2
Methylene Chloride	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Carbon Disulfide	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	*F2
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
trans-1,2-Dichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,1-Dichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
2-Butanone (MEK)	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
2,2-Dichloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
cis-1,2-Dichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Chloroform	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Tetrahydrofuran	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,1,1-Trichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Carbon Tetrachloride	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,1-Dichloropropene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Benzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,2-Dichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Trichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,2-Dichloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Dibromomethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Bromodichloromethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Methyl Isobutyl Ketone	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
cis-1,3-Dichloropropene	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Toluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
trans-1,3-Dichloropropene	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
2-Hexanone	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,1,2-Trichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Tetrachloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,3-Dichloropropane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Dibromochloromethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,2-Dibromoethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	

Client Sample ID MW-1

Lab ID: 6020016-01

Volatile Organics **Analyst: JS**

Method: EPA 8260C **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,4-Dichloro-2-Butene	ND	10	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Chlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,1,1,2-Tetrachloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Ethylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
m+p Xylenes	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
o-Xylene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Styrene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Bromoform	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Isopropylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,1,2,2-Tetrachloroethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Bromobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,2,3-Trichloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
n-Propylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
2-Chlorotoluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
4-Chlorotoluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,3,5-Trimethylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
tert-Butylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,2,4-Trimethylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
sec-Butylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,3-Dichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
4-Isopropyltoluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,4-Dichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,2-Dichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
n-Butylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,2-Dibromo-3-Chloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,2,4-Trichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Hexachlorobutadiene	ND	0.45	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Naphthalene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
1,2,3-Trichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:24	
Surrogate: 1,2-Dichloroethane-d4	*98.2 %*		*70 - 130*		B6B0213	02/02/2016	*02/02/2016 13:24*	
Surrogate: Toluene-d8	*99.1 %*		*70 - 130*		B6B0213	02/02/2016	*02/02/2016 13:24*	
Surrogate: 4-Bromofluorobenzene	*97.6 %*		*70 - 130*		B6B0213	02/02/2016	*02/02/2016 13:24*	

Client Sample ID MW-2

Lab ID: 6020016-02

Volatile Organics **Analyst: JS**

Method: EPA 8260C **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	10	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Chloromethane	ND	2.7	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Vinyl Chloride	ND	1.6	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Bromomethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Chloroethane	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Trichlorofluoromethane	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Acetone	ND	50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Acrylonitrile	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Trichlorotrifluoroethane	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	*F2
1,1-Dichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	*F2
Methylene Chloride	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Carbon Disulfide	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	*F2
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
trans-1,2-Dichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,1-Dichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
2-Butanone (MEK)	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
2,2-Dichloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
cis-1,2-Dichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Chloroform	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Tetrahydrofuran	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,1,1-Trichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Carbon Tetrachloride	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,1-Dichloropropene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Benzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,2-Dichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Trichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,2-Dichloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Dibromomethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Bromodichloromethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Methyl Isobutyl Ketone	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
cis-1,3-Dichloropropene	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Toluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
trans-1,3-Dichloropropene	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
2-Hexanone	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,1,2-Trichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Tetrachloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,3-Dichloropropane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Dibromochloromethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,2-Dibromoethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	

Client Sample ID MW-2

Lab ID: 6020016-02

Volatile Organics **Analyst: JS**

Method: EPA 8260C **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,4-Dichloro-2-Butene	ND	10	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Chlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,1,1,2-Tetrachloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Ethylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
m+p Xylenes	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
o-Xylene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Styrene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Bromoform	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Isopropylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,1,2,2-Tetrachloroethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Bromobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,2,3-Trichloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
n-Propylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
2-Chlorotoluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
4-Chlorotoluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,3,5-Trimethylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
tert-Butylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,2,4-Trimethylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
sec-Butylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,3-Dichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
4-Isopropyltoluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,4-Dichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,2-Dichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
n-Butylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,2-Dibromo-3-Chloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,2,4-Trichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Hexachlorobutadiene	ND	0.45	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Naphthalene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
1,2,3-Trichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 13:46	
Surrogate: 1,2-Dichloroethane-d4	*102 %*		*70 - 130*		B6B0213	02/02/2016	*02/02/2016 13:46*	
Surrogate: Toluene-d8	*100 %*		*70 - 130*		B6B0213	02/02/2016	*02/02/2016 13:46*	
Surrogate: 4-Bromofluorobenzene	*97.6 %*		*70 - 130*		B6B0213	02/02/2016	*02/02/2016 13:46*	

Client Sample ID MW-3

Lab ID: 6020016-03

Volatile Organics **Analyst: JS**

Method: EPA 8260C **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	10	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Chloromethane	ND	2.7	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Vinyl Chloride	ND	1.6	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Bromomethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Chloroethane	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Trichlorofluoromethane	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Acetone	ND	50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Acrylonitrile	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Trichlorotrifluoroethane	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	*F2
1,1-Dichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	*F2
Methylene Chloride	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Carbon Disulfide	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	*F2
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
trans-1,2-Dichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,1-Dichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
2-Butanone (MEK)	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
2,2-Dichloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
cis-1,2-Dichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Chloroform	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Tetrahydrofuran	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,1,1-Trichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Carbon Tetrachloride	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,1-Dichloropropene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Benzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,2-Dichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Trichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,2-Dichloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Dibromomethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Bromodichloromethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Methyl Isobutyl Ketone	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
cis-1,3-Dichloropropene	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Toluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
trans-1,3-Dichloropropene	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
2-Hexanone	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,1,2-Trichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Tetrachloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,3-Dichloropropane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Dibromochloromethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,2-Dibromoethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	

Client Sample ID MW-3

Lab ID: 6020016-03

Volatile Organics **Analyst: JS**

Method: EPA 8260C **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,4-Dichloro-2-Butene	ND	10	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Chlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,1,1,2-Tetrachloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Ethylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
m+p Xylenes	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
o-Xylene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Styrene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Bromoform	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Isopropylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,1,2,2-Tetrachloroethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Bromobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,2,3-Trichloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
n-Propylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
2-Chlorotoluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
4-Chlorotoluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,3,5-Trimethylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
tert-Butylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,2,4-Trimethylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
sec-Butylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,3-Dichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
4-Isopropyltoluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,4-Dichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,2-Dichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
n-Butylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,2-Dibromo-3-Chloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,2,4-Trichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Hexachlorobutadiene	ND	0.45	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Naphthalene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
1,2,3-Trichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:08	
Surrogate: 1,2-Dichloroethane-d4	*101 %*		*70 - 130*		B6B0213	02/02/2016	*02/02/2016 14:08*	
Surrogate: Toluene-d8	*99.6 %*		*70 - 130*		B6B0213	02/02/2016	*02/02/2016 14:08*	
Surrogate: 4-Bromofluorobenzene	*96.5 %*		*70 - 130*		B6B0213	02/02/2016	*02/02/2016 14:08*	

Client Sample ID MW-4

Lab ID: 6020016-04

Volatile Organics **Analyst: JS**

Method: EPA 8260C **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	10	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Chloromethane	ND	2.7	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Vinyl Chloride	ND	1.6	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Bromomethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Chloroethane	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Trichlorofluoromethane	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Acetone	ND	50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Acrylonitrile	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Trichlorotrifluoroethane	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	*F2
1,1-Dichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	*F2
Methylene Chloride	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Carbon Disulfide	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	*F2
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
trans-1,2-Dichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,1-Dichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
2-Butanone (MEK)	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
2,2-Dichloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
cis-1,2-Dichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Chloroform	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Tetrahydrofuran	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,1,1-Trichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Carbon Tetrachloride	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,1-Dichloropropene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Benzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,2-Dichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Trichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,2-Dichloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Dibromomethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Bromodichloromethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Methyl Isobutyl Ketone	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
cis-1,3-Dichloropropene	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Toluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
trans-1,3-Dichloropropene	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
2-Hexanone	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,1,2-Trichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Tetrachloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,3-Dichloropropane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Dibromochloromethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,2-Dibromoethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	

Client Sample ID MW-4

Lab ID: 6020016-04

Volatile Organics **Analyst: JS**

Method: EPA 8260C **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,4-Dichloro-2-Butene	ND	10	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Chlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,1,1,2-Tetrachloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Ethylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
m+p Xylenes	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
o-Xylene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Styrene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Bromoform	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Isopropylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,1,2,2-Tetrachloroethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Bromobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,2,3-Trichloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
n-Propylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
2-Chlorotoluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
4-Chlorotoluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,3,5-Trimethylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
tert-Butylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,2,4-Trimethylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
sec-Butylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,3-Dichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
4-Isopropyltoluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,4-Dichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,2-Dichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
n-Butylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,2-Dibromo-3-Chloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,2,4-Trichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Hexachlorobutadiene	ND	0.45	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Naphthalene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
1,2,3-Trichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:30	
Surrogate: 1,2-Dichloroethane-d4	*103 %*		*70 - 130*		B6B0213	02/02/2016	*02/02/2016 14:30*	
Surrogate: Toluene-d8	*100 %*		*70 - 130*		B6B0213	02/02/2016	*02/02/2016 14:30*	
Surrogate: 4-Bromofluorobenzene	*99.6 %*		*70 - 130*		B6B0213	02/02/2016	*02/02/2016 14:30*	

Client Sample ID TB

Lab ID: 6020016-05

Volatile Organics **Analyst: JS**

Method: EPA 8260C **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	10	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Chloromethane	ND	2.7	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Vinyl Chloride	ND	1.6	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Bromomethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Chloroethane	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Trichlorofluoromethane	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Acetone	ND	50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Acrylonitrile	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Trichlorotrifluoroethane	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	*F2
1,1-Dichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	*F2
Methylene Chloride	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Carbon Disulfide	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	*F2
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
trans-1,2-Dichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,1-Dichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
2-Butanone (MEK)	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
2,2-Dichloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
cis-1,2-Dichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Chloroform	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Tetrahydrofuran	ND	5.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,1,1-Trichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Carbon Tetrachloride	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,1-Dichloropropene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Benzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,2-Dichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Trichloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,2-Dichloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Dibromomethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Bromodichloromethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Methyl Isobutyl Ketone	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
cis-1,3-Dichloropropene	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Toluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
trans-1,3-Dichloropropene	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
2-Hexanone	ND	25	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,1,2-Trichloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Tetrachloroethene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,3-Dichloropropane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Dibromochloromethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,2-Dibromoethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	

Client Sample ID TB

Lab ID: 6020016-05

Volatile Organics **Analyst: JS**

Method: EPA 8260C **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,4-Dichloro-2-Butene	ND	10	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Chlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,1,1,2-Tetrachloroethane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Ethylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
m+p Xylenes	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
o-Xylene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Styrene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Bromoform	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Isopropylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,1,2,2-Tetrachloroethane	ND	0.50	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Bromobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,2,3-Trichloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
n-Propylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
2-Chlorotoluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
4-Chlorotoluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,3,5-Trimethylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
tert-Butylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,2,4-Trimethylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
sec-Butylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,3-Dichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
4-Isopropyltoluene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,4-Dichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,2-Dichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
n-Butylbenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,2-Dibromo-3-Chloropropane	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,2,4-Trichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Hexachlorobutadiene	ND	0.45	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Naphthalene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
1,2,3-Trichlorobenzene	ND	1.0	1	EPA 5030C	B6B0213	02/02/2016	02/02/2016 14:52	
Surrogate: 1,2-Dichloroethane-d4	*98.8 %*		*70 - 130*		B6B0213	02/02/2016	*02/02/2016 14:52*	
Surrogate: Toluene-d8	*99.5 %*		*70 - 130*		B6B0213	02/02/2016	*02/02/2016 14:52*	
Surrogate: 4-Bromofluorobenzene	*98.3 %*		*70 - 130*		B6B0213	02/02/2016	*02/02/2016 14:52*	

QUALITY CONTROL SECTION

Batch B6B0213 - EPA 8260C

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B6B0213-BLK1)					Prepared: 2/2/2016 Analyzed: 2/2/2016				
Dichlorodifluoromethane	ND	10							
Chloromethane	ND	2.7							
Vinyl Chloride	ND	1.6							
Bromomethane	ND	1.0							
Chloroethane	ND	5.0							
Trichlorofluoromethane	ND	25							
Acetone	ND	50							
Acrylonitrile	ND	0.50							
Trichlorotrifluoroethane	ND	25							
1,1-Dichloroethene	ND	1.0							
Methylene Chloride	ND	5.0							
Carbon Disulfide	ND	1.0							
Methyl-t-Butyl Ether (MTBE)	ND	5.0							
trans-1,2-Dichloroethene	ND	1.0							
1,1-Dichloroethane	ND	1.0							
2-Butanone (MEK)	ND	25							
2,2-Dichloropropane	ND	1.0							
cis-1,2-Dichloroethene	ND	1.0							
Chloroform	ND	1.0							
Tetrahydrofuran	ND	5.0							
1,1,1-Trichloroethane	ND	1.0							
Carbon Tetrachloride	ND	1.0							
1,1-Dichloropropene	ND	1.0							
Benzene	ND	1.0							
1,2-Dichloroethane	ND	1.0							
Trichloroethene	ND	1.0							
1,2-Dichloropropane	ND	1.0							
Dibromomethane	ND	1.0							
Bromodichloromethane	ND	0.50							
Methyl Isobutyl Ketone	ND	25							
cis-1,3-Dichloropropene	ND	0.50							
Toluene	ND	1.0							
trans-1,3-Dichloropropene	ND	0.50							
2-Hexanone	ND	25							
1,1,2-Trichloroethane	ND	1.0							
Tetrachloroethene	ND	1.0							
1,3-Dichloropropane	ND	0.50							
Dibromochloromethane	ND	0.50							
1,2-Dibromoethane	ND	0.50							
trans-1,4-Dichloro-2-Butene	ND	10							
Chlorobenzene	ND	1.0							
1,1,1,2-Tetrachloroethane	ND	1.0							
Ethylbenzene	ND	1.0							
m+p Xylenes	ND	1.0							
o-Xylene	ND	1.0							
Styrene	ND	1.0							
Bromoform	ND	1.0							
Isopropylbenzene	ND	1.0							
1,1,2,2-Tetrachloroethane	ND	0.50							

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B6B0213-BLK1) - Continued					Prepared: 2/2/2016 Analyzed: 2/2/2016				
Bromobenzene	ND	1.0							
1,2,3-Trichloropropane	ND	1.0							
n-Propylbenzene	ND	1.0							
2-Chlorotoluene	ND	1.0							
4-Chlorotoluene	ND	1.0							
1,3,5-Trimethylbenzene	ND	1.0							
tert-Butylbenzene	ND	1.0							
1,2,4-Trimethylbenzene	ND	1.0							
sec-Butylbenzene	ND	1.0							
1,3-Dichlorobenzene	ND	1.0							
4-Isopropyltoluene	ND	1.0							
1,4-Dichlorobenzene	ND	1.0							
1,2-Dichlorobenzene	ND	1.0							
n-Butylbenzene	ND	1.0							
1,2-Dibromo-3-Chloropropane	ND	1.0							
1,2,4-Trichlorobenzene	ND	1.0							
Hexachlorobutadiene	ND	0.45							
Naphthalene	ND	1.0							
1,2,3-Trichlorobenzene	ND	1.0							
Surrogate: 1,2-Dichloroethane-d4					*106*	*70 - 130*			
Surrogate: Toluene-d8					*101*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene					*98.4*	*70 - 130*			
LCS (B6B0213-BS1)					Prepared: 2/2/2016 Analyzed: 2/2/2016				
Dichlorodifluoromethane	51.5	10	50.000		103	70 - 130			
Chloromethane	45.4	2.7	50.000		90.9	70 - 130			
Vinyl Chloride	50.3	1.6	50.000		101	70 - 130			
Bromomethane	47.1	1.0	50.000		94.1	70 - 130			
Chloroethane	49.7	5.0	50.000		99.3	70 - 130			
Trichlorofluoromethane	61.8	25	50.000		124	70 - 130			
Acetone	105	50	100.000		105	70 - 130			
Acrylonitrile	54.7	0.50	50.000		109	70 - 130			
Trichlorotrifluoroethane	78.4	25	50.000		**157**	70 - 130			**H**
1,1-Dichloroethene	77.1	1.0	50.000		**154**	70 - 130			**H**
Methylene Chloride	55.5	5.0	50.000		111	70 - 130			
Carbon Disulfide	85.1	1.0	50.000		**170**	70 - 130			**H**
Methyl-t-Butyl Ether (MTBE)	57.1	5.0	50.000		114	70 - 130			
trans-1,2-Dichloroethene	59.7	1.0	50.000		119	70 - 130			
1,1-Dichloroethane	59.0	1.0	50.000		118	70 - 130			
2-Butanone (MEK)	108	25	100.000		108	70 - 130			
2,2-Dichloropropane	59.8	1.0	50.000		120	70 - 130			
cis-1,2-Dichloroethene	56.4	1.0	50.000		113	70 - 130			
Chloroform	53.3	1.0	50.000		107	70 - 130			
Tetrahydrofuran	56.3	5.0	50.000		113	70 - 130			
1,1,1-Trichloroethane	52.7	1.0	50.000		105	70 - 130			
Carbon Tetrachloride	54.8	1.0	50.000		110	70 - 130			
1,1-Dichloropropene	55.6	1.0	50.000		111	70 - 130			
Benzene	53.7	1.0	50.000		107	70 - 130			
1,2-Dichloroethane	50.7	1.0	50.000		101	70 - 130			
Trichloroethene	54.3	1.0	50.000		109	70 - 130			
1,2-Dichloropropane	54.1	1.0	50.000		108	70 - 130			
Dibromomethane	52.6	1.0	50.000		105	70 - 130			
Bromodichloromethane	52.3	0.50	50.000		105	70 - 130			

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (B6B0213-BS1) - Continued					Prepared: 2/2/2016 Analyzed: 2/2/2016				
Methyl Isobutyl Ketone	101	25	100.000		101	70 - 130			
cis-1,3-Dichloropropene	50.1	0.50	50.000		100	70 - 130			
Toluene	52.6	1.0	50.000		105	70 - 130			
trans-1,3-Dichloropropene	47.4	0.50	50.000		94.8	70 - 130			
2-Hexanone	106	25	100.000		106	70 - 130			
1,1,2-Trichloroethane	52.3	1.0	50.000		105	70 - 130			
Tetrachloroethene	52.4	1.0	50.000		105	70 - 130			
1,3-Dichloropropane	50.2	0.50	50.000		100	70 - 130			
Dibromochloromethane	54.6	0.50	50.000		109	70 - 130			
1,2-Dibromoethane	52.1	0.50	50.000		104	70 - 130			
trans-1,4-Dichloro-2-Butene	62.4	10	50.000		125	70 - 130			
Chlorobenzene	53.2	1.0	50.000		106	70 - 130			
1,1,1,2-Tetrachloroethane	50.7	1.0	50.000		101	70 - 130			
Ethylbenzene	50.1	1.0	50.000		100	70 - 130			
m+p Xylenes	104	1.0	100.000		104	70 - 130			
o-Xylene	52.9	1.0	50.000		106	70 - 130			
Styrene	51.4	1.0	50.000		103	70 - 130			
Bromoform	55.9	1.0	50.000		112	70 - 130			
Isopropylbenzene	51.8	1.0	50.000		104	70 - 130			
1,1,2,2-Tetrachloroethane	54.2	0.50	50.000		108	70 - 130			
Bromobenzene	51.7	1.0	50.000		103	70 - 130			
1,2,3-Trichloropropane	51.3	1.0	50.000		103	70 - 130			
n-Propylbenzene	51.5	1.0	50.000		103	70 - 130			
2-Chlorotoluene	51.8	1.0	50.000		104	70 - 130			
4-Chlorotoluene	49.7	1.0	50.000		99.3	70 - 130			
1,3,5-Trimethylbenzene	51.4	1.0	50.000		103	70 - 130			
tert-Butylbenzene	51.3	1.0	50.000		103	70 - 130			
1,2,4-Trimethylbenzene	51.4	1.0	50.000		103	70 - 130			
sec-Butylbenzene	52.9	1.0	50.000		106	70 - 130			
1,3-Dichlorobenzene	51.9	1.0	50.000		104	70 - 130			
4-Isopropyltoluene	52.7	1.0	50.000		105	70 - 130			
1,4-Dichlorobenzene	50.9	1.0	50.000		102	70 - 130			
1,2-Dichlorobenzene	51.7	1.0	50.000		103	70 - 130			
n-Butylbenzene	51.6	1.0	50.000		103	70 - 130			
1,2-Dibromo-3-Chloropropane	57.3	1.0	50.000		115	70 - 130			
1,2,4-Trichlorobenzene	55.4	1.0	50.000		111	70 - 130			
Hexachlorobutadiene	46.6	0.45	50.000		93.1	70 - 130			
Naphthalene	56.9	1.0	50.000		114	70 - 130			
1,2,3-Trichlorobenzene	60.6	1.0	50.000		121	70 - 130			
Surrogate: 1,2-Dichloroethane-d4					*103*	*70 - 130*			
Surrogate: Toluene-d8					*101*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene					*101*	*70 - 130*			

Questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

David Ditta
Laboratory Director

Report Comments:

Sample Result Flags:
E- The result is estimated, above the calibration range.
H- The surrogate recovery is above the control limits.
L- The surrogate recovery is below the control limits.
B- The compound was detected in the laboratory blank.
P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
D- The RPD between the sample and the sample duplicate is high. Sample Homogenity may be a problem.
+- The Surrogate was diluted out.
*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
I- The Analyte exceeds %RSD limits for the Initial Calibration. This is a non-directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at the specified detection limit
All analyses were performed in house unless a Reference Laboratory is listed.
Samples will be disposed of 30 days after the report date.

80 Lupes Drive
Stratford, CT 06615

COMPLETE ENVIRONMENTAL TESTING, INC.

Tel: (203) 377-9984
Fax: (203) 377-9952
email: cet1@cetlabs.com

Quality Control Definitions and Abbreviations

Internal Standard (IS)	An Analyte added to each sample or sample extract. An internal standard is used to monitor retention time, calculate relative response, and quantify analytes of interest.
Surrogate Recovery	The % recovery for non-tarer organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration	An analytical standard analyzed with each set of samples to verify initial calibration of the system.
Batch	Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period.
ND	Not detected
RL	Reporting Limit
Dilution	Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate	Result from the duplicate analysis of a sample.
Result	Amount of analyte found in a sample.
Spike Level	Amount of analyte added to a sample
Matrix Spike Result	Amount of analyte found including amount that was spiked.
Matrix Spike Dup	Amount of analyte foun in duplicate spikes including amount that was spike.
Matrix Spike % Recovery	% Recovery of spiked amount in sample.
Matrix Spike Dup % Recovery	% Recovery of spiked duplicate amount in sample.
RPD	Relative percent difference between Matrix Spike and Matrix Spike Duplicate.
Blank	Method Blank that has been taken through all steps of the analysis.
LCS % Recovery	Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.
Recovery Limits	A range within which specified measurements results must fall to be compliant.
CC	Calibration Verification

Flags:

- H- Recovery is above the control limits
- L- Recovery is below the control limits
- B- Compound detected in the Blank
- P- RPD of dual column results exceeds 40%
- #- Sample result too high for accurate spike recovery.

NELAP ACCREDITED TNI LABORATORY

Connecticut Laboratory Certification PH0116
Massachussets Laboratory Certification M-CT903
New York Certification 11982
Rhode Island Certification 199

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Complete Environmental Testing, Inc.

Client: Payne Environmental

Project Location: Riverside Apts, Ansonia

Project Number: 15.127/001

Laboratory Sample ID(s):

6020016-01 thru 6020016-05

Sample Date(s):

01/31/2016

List RCP Methods Used:

EPA 8260C

CET #: 6020016

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 CTDEP 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 and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
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 (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5a	a) Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b	b) Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all consituents 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 with this data set?	☐ Yes ☑ No

Notes: 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."
This form may not be altered and all questions must be answered.

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

Authorized Signature:  **Position:** Laboratory Director

Printed Name: David Ditta **Date:** 02/03/2016

Name of Laboratory: Complete Environmental Testing, Inc.

This certification form is to be used for RCP methods only.

RCP Case Narrative

4- See Exceptions Report Below

7- Project specific QC was not requested by the client.

4- Exceptions Report

Analyte	QC Type	Exception	Result	RPD	Recovery (%)	Batch/Sequence Sample ID
1,1-Dichloroethene	LCS	High			154	B6B0213
Carbon Disulfide	LCS	High			170	B6B0213
Trichlorotrifluoroethane	LCS	High			157	B6B0213

QC Batch/Sequence Report

Batch	Sequence	CET ID	Sample ID	Specific Method	Matrix	Collection Date
B6B0213	S6B0303	6020016-01	MW-1	EPA 8260C	Water	01/31/2016
B6B0213	S6B0303	6020016-02	MW-2	EPA 8260C	Water	01/31/2016
B6B0213	S6B0303	6020016-03	MW-3	EPA 8260C	Water	01/31/2016
B6B0213	S6B0303	6020016-04	MW-4	EPA 8260C	Water	01/31/2016
B6B0213	S6B0303	6020016-05	TB	EPA 8260C	Water	01/31/2016

Certified Analyses included in this Report

Analyte	Certifications
EPA 8260C in Water	
Dichlorodifluoromethane	CT,NY
Chloromethane	CT,NY
Vinyl Chloride	CT,NY
Bromomethane	CT,NY
Chloroethane	CT,NY
Trichlorofluoromethane	CT,NY
Acetone	CT,NY
Acrylonitrile	CT,NY
Trichlorotrifluoroethane	CT,NY
1,1-Dichloroethene	CT,NY
Methylene Chloride	CT,NY
Carbon Disulfide	CT,NY
Methyl-t-Butyl Ether (MTBE)	CT,NY
trans-1,2-Dichloroethene	CT,NY
1,1-Dichloroethane	CT,NY
2-Butanone (MEK)	CT,NY
2,2-Dichloropropane	CT,NY
cis-1,2-Dichloroethene	CT,NY
Chloroform	CT,NY
Tetrahydrofuran	CT
1,1,1-Trichloroethane	CT,NY
Carbon Tetrachloride	CT,NY
1,1-Dichloropropene	CT,NY
Benzene	CT,NY
1,2-Dichloroethane	CT,NY
Trichloroethene	CT,NY
1,2-Dichloropropane	CT,NY
Dibromomethane	CT,NY
Bromodichloromethane	CT,NY
Methyl Isobutyl Ketone	CT,NY
cis-1,3-Dichloropropene	CT,NY
Toluene	CT,NY
trans-1,3-Dichloropropene	CT,NY
2-Hexanone	CT,NY
1,1,2-Trichloroethane	CT,NY
Tetrachloroethene	CT,NY
1,3-Dichloropropane	CT,NY
Dibromochloromethane	CT,NY
1,2-Dibromoethane	CT,NY
trans-1,4-Dichloro-2-Butene	CT,NY
Chlorobenzene	CT,NY
1,1,1,2-Tetrachloroethane	CT,NY
Ethylbenzene	CT,NY
m+p Xylenes	CT,NY
o-Xylene	CT,NY
Styrene	CT,NY
Bromoform	CT,NY
Isopropylbenzene	CT,NY
1,1,2,2-Tetrachloroethane	CT,NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 8260C in Water	
Bromobenzene	CT
1,2,3-Trichloropropane	CT,NY
n-Propylbenzene	CT,NY
2-Chlorotoluene	CT,NY
4-Chlorotoluene	CT,NY
1,3,5-Trimethylbenzene	CT,NY
tert-Butylbenzene	CT,NY
1,2,4-Trimethylbenzene	CT,NY
sec-Butylbenzene	CT,NY
1,3-Dichlorobenzene	CT,NY
4-Isopropyltoluene	CT,NY
1,4-Dichlorobenzene	CT,NY
1,2-Dichlorobenzene	CT,NY
n-Butylbenzene	CT,NY
1,2-Dibromo-3-Chloropropane	CT,NY
1,2,4-Trichlorobenzene	CT,NY
Hexachlorobutadiene	CT,NY
Naphthalene	CT,NY
1,2,3-Trichlorobenzene	CT

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2016
NY	New York Certification (NELAC)	11982	04/01/2016

6020016

COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

Volatile Soils Only:
Date and Time in Freezer
Client:
CET:

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com
Bottle Request e-mail: bottleorders@cetlabs.com

Matrix: A=Air, S=Soil, W=Water, DW=Drinking Water, C=Cassette Solid, Wipe, Other (Specify)

Turnaround Time ** (check one): Same Day *, Next Day *, 2-3 Days *, Std (5-7 Days)

Organics: 8260 CT List, 8260 Aromatics, 8260 Halogens, 624, CT ETPH, 8270 CT List, 8270 PNAs, PCBs, Pesticides

Metals (check all that apply): 13 Priority Poll, 8 RCRA, TOTAL, TCLP, SPLP, Field Filtered, Lab To Filter

Additional Analysis

Sample ID	Sample Depths (Units)	Collection Date/Time	Matrix	Same Day *	Next Day *	2-3 Days *	Std (5-7 Days)	8260 CT List	8260 Aromatics	8260 Halogens	624	CT ETPH	8270 CT List	8270 PNAs	PCBs	Pesticides	13 Priority Poll	8 RCRA	TOTAL	TCLP	SPLP	Field Filtered	Lab To Filter	TOTAL # OF CONT.	NOTE #
MW-1		1/31/16 0845	GW				/	/											/					2	
MW-2		0915	GW				/	/											/					2	
MW-3		0855	GW				/	/											/					2	
MW-4		0900	GW				/	/											/					2	
TB		—	W				/	/											/					1	

PRESERVATIVE (Cl–HCl, N–HNO_3, S–H_2SO_4, Na–NaOH, C=Cool, O–Other) Cl, C

CONTAINER TYPE (P–Plastic, G–Glass, V–Vial, O–Other) V

Soil VOCs Only (M=MeOH B=Sodium Bisulfate W=Water F=Empty Vial E=Encore)

TOTAL # OF CONT.: 9

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	2-1-16 1040	[signature]
[signature]	2-1-16 1445	[signature]
[signature]	DATE/TIME	[signature] RECEIVED BY:

NOTES:

TAX EXEMPT PROJECT

Client / Reporting Information

Company Name: PAYNE ENVIRONMENTAL LLC
Address: 85 WILLOW ST
City: NEW HAVEN State: CT Zip: 06511
Report To: N. PAYNE E-mail: npayne@paynecorp.com
Phone #: 203.865.1285 x10 Fax #: 203.865.1286

Project Information

Project Contact: NEIL PAYNE PO #:
Project: RIVERSIDE APTS NORTH Project #: 15.127/001
Location: ANSONIA, CT Collector(s): NP, AB

QA/QC: ☐ Std ☐ Site Specific (MS/MSD) * ☑ RCP Pkg * ☑ DQAW *

Data Report: ☑ PDF ☐ EDD - Specify Format ☑ Other EXCEL

RSR Reporting Limits (check one): ☐ GA ☑ GB ☑ SWP ☐ Other

Laboratory Certification Needed (check one): ☑ CT ☐ NY ☐ RI ☐ MA

Temp Upon Receipt: 4.1 °C Evidence of Cooling: Y N

SHEET 1 OF 1

* Additional charge may apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day.

REV. 06/14